Brocade Fabric OS v6.3.0
Release Notes v1.0

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Overview

Brocade Fabric OS v6.3.0 supports the following new hardware platforms:

- **Brocade FX8-24: Next Generation distance extension blade for the DCX and DCX-4S**
  - Supports 12 FC ports operating at 1/2/4/8 Gbps, 10 x 1GbE ports and 2 x 10 GbE ports. (GbE ports require 4Gb Brocade branded SFPs and 10GbE ports require 10GbE Brocade branded SFPs).

- **Brocade 7800: Next Generation distance extension platform for FCIP applications**
  - Supports 16 FC ports at 1/2/4/8 Gbps and 6 x 1GbE optical ports (user can select either copper or optical interface on 2 ports). (GbE ports require 4Gb Brocade branded SFPs and 10GbE ports require 10GbE Brocade branded SFPs).

- **Brocade FCOE10-24: FCoE/CEE blade for the DCX and DCX-4S**
  - Supports 24 10GbE CEE ports

- **Brocade 8000: FCoE/CEE switch**
  - Supports 24 10GbE CEE ports and eight 1/2/4/8 Gbps FC ports
  - Initially supported by FOS v6.1.2_CEE, the Brocade 8000 is now supported as part of the FOS v6.3 release.

In addition to support for the new hardware platforms and blades, there are several new features in Fabric OS v6.3.0, including:

- **FCIP Enhancements**
  - FCIP Enhancements including enhanced compression, FCIP trunking and adaptive rate limiting features for new extension platforms.

    Note: these features are only enabled on the new Brocade 7800 Extension Switch and the FX8-24 DCX Extension Blade platforms. They are not available on the Brocade 7500 Extension Switch or the Brocade FR4-18i Extension Blade.

- **FCR Enhancements**
  - EX_Port Masterless Trunking
  - EX_Port QoS

- **Adaptive Networking Enhancements**
  - Bottleneck Detection for F_Ports (does not require Adaptive Networking license)
  - QoS support for D,I zone definitions in addition to WWN zone definitions

- **Access Gateway Features/Enhancements**
  - Adaptive Networking license supported on switches running in AG mode
  - Extend APC Auto Rebalancing support to port groups (login balancing can optionally be enabled on individual port groups)
  - Added option to disable Auto Rebalancing of logins when new N_Ports are detected
  - Added option to disable Auto Rebalancing of logins when fewer F_Ports are detected
  - Added optional support for persistent ALPA assignment

- APC now auto-detects connection to M-series switch as N_Port connection

- **Encryption Platform Enhancements**
  - System Card support
  - Quorum card support for multi admin-based authorization of sensitive operations
  - Thales Encryption Manager for Storage key management support
  - HP tape encryption support
  - Support for multipath through a single EE (encryption engine)
  - Support for Host Clustering Applications and VMware ESX Server
  - Key vault Credentials support for SKM
  - HA clustered key vault support for:
    - NetApp LKM Appliances
    - HP SKM Appliances
    - EMC/RSA RKM Appliances

- **FICON Enhancements**
  - Blade-based port swaps

- **Native Connectivity Enhancements**
  - Support layer2 connectivity to M-EOSn 239 DID Open Fabric Mode fabrics
  - Support layer2 connectivity to M-EOSn/c fabrics using non-default DID base offset in McDATA or Open Fabric Mode

- **L2 Ethernet Feature Enhancements for Brocade 8000/FCOE10-24**
  - 802.1x
  - FIP VLAN Discovery

- **Miscellaneous**
  - Persistent WWN based PID assignment
  - Fabric Watch support for CPU and Memory utilization
  - Support for additional 3-chassis ICL connection topologies
  - Support for new 8-link (half bandwidth) ICL license on DCX
  - Audit logs generated for additional CLI/DCFM security configuration events
  - Last 256 audit entries are retained on switch or CP for viewing or clearing
  - Universal Temporary license keys for select features
  - Port Mirroring support with Virtual Fabrics and embedded switch platforms
  - Support for SNMP Informs

New Feature Descriptions

FCIP Enhancements

- FC traffic can be transported over an IP network when the 1 GbE or 10 GbE ports are configured to support FCIP. FOS v6.3.0 supports up to 20 FCIP tunnels on an FX8-24 blade, and 8 FCIP tunnels on the 7800. The FCIP tunnels on the local and remote GbE ports act as the Virtual E-Ports (VE_Ports) connecting the local and the remote fabrics. Performance is optimized for FCP and FICON traffic using Batching/Debatching operations on all data and command frames/IUs.

This prevents fragmentation of multiple 2112 size FC frames (batch) into smaller IP frames compared to single frame exchanges (eg., FC frame generators).

- **FCIP Trunking** is a new feature available on the FX8-24 and 7800 that virtualizes two or more TCP connections as part of a single FCIP tunnel. These connections, called circuits, will be explicitly configured to be part of an FCIP tunnel. Their primary purpose is to increase the tunnel bandwidth and provide fail-over paths in the event of a network failure. The functionality of the FCIP trunking and the additional TCP connections is transparent to the applications using the FCIP tunnel. FCIP Trunking requires the optional Advanced Extension license.
- New **Advanced Compression** capabilities on the 7800 allow the FC data frames to be compressed on a per tunnel basis before they are sent over the tunnel as FCIP frames. The FC command frames and all the frames that are generated from or destined for the control processor are not compressed even when compression is enabled on a tunnel. The uncompressed and compressed packets and bytes are counted and maintained on a per tunnel basis. The compression ratio can be found for a given polling interval by reading the number of compressed and uncompressed bytes. The compression is performed by the hardware on a frame by frame basis and is performed on FC data frames in the ingress direction before they are encapsulated as FCIP frames.
- New **Adaptive Rate Limiting** (ARL) on the FX8-24 and 7800 allows an FCIP tunnel connection to dynamically change the rate at which the tunnel transmits data through the TCP connection(s). ARL will use the information from the TCP connection(s) to determine and adjust the rate limit for the FCIP tunnel dynamically. This allows FCIP connections to utilize the maximum available bandwidth. ARL requires the optional Advanced Extension license.

FCR Enhancements

- EX-Port trunking was initially introduced in the FOS v5.2.0 release. However, when a master EX-Port within a trunk group goes offline, a new area (Master port) needs to be selected; this causes all slave EX-Ports of that trunk group to be disabled and brought online to select a new master EX-Port. The **Masterless EX-Port** feature in FOS v6.3.0 uses the dynamic port binding capability first introduced in FOS v6.2 to reassign the trunk area from the old master port to the new master port. On a master port offline condition, one of the slave ports becomes the new master port and all the other slave ports stay online. The new master port uses the old master port's area and the old master port gets a new and unused area. This way, the PID of the trunk does not change on master port offline.
- FOS v6.0 first introduced new Adaptive Networking features, including FC QoS, allowing users to establish flow-based prioritization of traffic traversing a SAN. FOS v6.3 extends **QoS over FC Routing (FCR)** configurations, allowing support of QoS for traffic flows originating in an edge fabric, passing through the FC Backbone fabric, and then out to a destination edge fabric. Support of this feature requires configuration of both LSAN zones and QoS zones and requires the Adaptive Networking license be installed on switches in both the edge and backbone fabrics.

Adaptive Networking Enhancements

- If an administrator notices one or more applications running on the Datacenter Fabric is slowing down then he/she can enable the new **Bottleneck Detection** feature on all suspected edge switches to which F-ports are attached in order to determine if there are any slow-draining devices that are causing network congestion. When bottleneck monitoring is enabled and a switch detects a condition where the offered load exceeds the rate at which the destination device

can accept frames, a RAS LOG message can be generated and the administrator can view historic statistics logs for the port to investigate the problem. This new capability is considered part of the Adaptive Networking feature set but does not require a license. This feature is available on all 4G and 8G-capable ports.

Enhanced Native Connectivity with McDATA Products

- FOS-based platforms operating in Interopmode 3 may now participate in Mi10k fabrics using 239 DID mode. Previously, connecting to such fabrics could only be done via FCR..
- FOS-based platforms operating in either Interopmode 2 or 3 may now participate in M-EOS fabrics using non-default DID Base Offset settings.

CEE/FCoE Features

- **802.1X** defines a client/server-based authentication protocol for port access control. It forbids unknown/unauthorized clients from connecting to an Ethernet network through publicly accessible ports. The authentication server component of the system authenticates each client device or host connected to an authentication-enabled network port. Until the client is authenticated, 802.1X allows only the authentication protocol traffic (EAPOL) on the connected port. After the authentication is successful, the port is opened for all network traffic.
- **FIP VLAN Discovery protocol** is supported with the following caveat: the FIP VLAN DISCOVERY request must be received with either a priority-only VLAN tag (VLAN ID = 0), or a VLAN tag with the VLAN ID = FCoE VLAN. FIP VLAN DISCOVERY request received with a valid VLAN ID in the tag not equal to the FCoE VLAN will be dropped. The expected behavior is that the CNA will send a priority tagged FIP VLAN DISCOVERY request.

Optionally Licensed Software

Optionally licensed features in Fabric OS v6.3.0 include:

- **Brocade Ports on Demand** — Allows customers to instantly scale the fabric by provisioning additional ports via license key upgrade (applies to select models of switches).
- **Brocade Extended Fabrics** — Provides greater than 10km of switched fabric connectivity at full bandwidth over long distances (depending on platform this can be up to 3000km).
- **Brocade ISL Trunking** — Provides the ability to aggregate multiple physical links into one logical link for enhanced network performance and fault tolerance. Also includes Access Gateway ISL Trunking on those products that support Access Gateway deployment.
- **Brocade Advanced Performance Monitoring** — Enables performance monitoring of networked storage resources. This license includes the TopTalkers feature.
- **High Performance Extension over FCIP/FC** (formerly known as "FC-IP Services") (For the FR4-18i blade and Brocade 7500) — This license key also includes the FC-Fastwrite feature and IPsec capabilities.
- **Brocade Accelerator for FICON** – This license enables unique FICON emulation support for IBM's Global Mirror (formerly XRC) application (including Hitachi Data Systems HXRC and EMC's XRC) as well as Tape Pipelining for all FICON tape and virtual tape systems to significantly improve XRC and tape backup/recovery performance over virtually unlimited

distance for 7500, upgraded 7500E and FR4-18i.

- **Brocade Fabric Watch** — Monitors mission-critical switch operations. Fabric Watch also includes Port Fencing capabilities.
- **FICON Management Server** — Also known as "CUP" (Control Unit Port), enables host-control of switches in Mainframe environments.
- **ICL 16-link, or Inter Chassis Links** – This license provides dedicated high-bandwidth links between two Brocade DCX chassis, without consuming valuable front-end 8Gb ports. Each chassis must have the 16-link ICL license installed in order to enable the full 16-link ICL connections. (Available on the DCX only, previously known as simply the "ICL License" for DCX.)
- **ICL 8-Link, or Inter Chassis Links** – This license activates all eight links on ICL ports on a DCX-4S chassis or half of the ICL bandwidth for each ICL port on the DCX platform by enabling only eight links out of the sixteen links available. This allows users to purchase half the bandwidth of DCX ICL ports initially and upgrade with an additional 8-link license to utilize the full ICL bandwidth at a later time. This license is also useful for environments that wish to create ICL connections between a DCX and a DCX-4S, the latter of which cannot support more than 8 links on an ICL port. Available on the DCX-4S and DCX platforms only (This license replaces the original ICL license for the DCX-4S and is new for the DCX).
- **Enhanced Group Management** — This license, available only on the DCX, DCX-4S and other 8G platforms, enables full management of the device in a datacenter fabric with deeper element management functionality and greater management task aggregation throughout the environment. This license is used in conjunction with Brocade's Data Center Fabric Manager (DCFM) application software.
- **Adaptive Networking** — Adaptive Networking provides a rich framework of capability allowing a user to ensure high priority connections obtain the network resources necessary for optimum performance, even in congested environments. The QoS SID/DID Prioritization and Ingress Rate Limiting features are the first components of this license, and are fully available on all 8G platforms.
- **Integrated Routing** — This license allows ports in a DCX, DCX-4S, 5300, 5100, 7800 or Brocade Encryption Switch to be configured as EX_ports or VEX_ports supporting Fibre Channel Routing. This eliminates the need to add an FR4-18i blade or use the 7500 for FCR purposes, and also provides double the bandwidth for each FCR connection (when connected to another 8G-capable port).
- **7500E Upgrade** (For the Brocade 7500E only) — This license allows customers to upgrade a 4-port (2 FC ports and 2 GE ports) 7500E base to a full 18-port (16 FC ports and 2 GE ports) 7500 configuration and feature capability. The upgraded 7500E includes the complete High Performance Extension license feature set.
- **Encryption Performance Upgrade** — This license provides additional encryption processing power. For the Brocade Encryption Switch or a DCX/DCX-4S, the Encryption Performance License can be installed to enable full encryption processing power on the BES or on all FS8-18 blades installed in the DCX/DCX-4S chassis.
- **DataFort Compatibility** — This license is required on the Brocade Encryption Switch/DCX/DCX-4S with FS8-18 blade(s) to read & decrypt NetApp DataFort-encrypted disk and tape LUNs. DataFort Compatibility License is also required on the Brocade Encryption Switch or DCX/DCX-4S Backbone with FS8-18 Encryption Blade(s) installed to write & encrypt

the disk and tape LUNs in NetApp DataFort Mode (Metadata & Encryption Algorithm) so that DataFort can read & decrypt these LUNs. DataFort Mode tape encryption and compression is supported beginning with the FOS v6.2.0 release. Availability of the DataFort Compatibility license is limited; contact your vendor for details.

- **Server Application Optimization** — When deployed with Brocade Server Adapters, this license optimizes overall application performance for physical servers and virtual machines by extending virtual channels to the server infrastructure. Application specific traffic flows can be configured, prioritized, and optimized throughout the entire data center infrastructure. This license is not supported on the Brocade 8000.
- **FCoE** — This license enables Fibre Channel over Ethernet (FCoE) functionality on the Brocade 8000. Without the FCoE license, the Brocade 8000 is a pure L2 Ethernet switch and will not allow FCoE bridging or FCF capabilities.
- **8000 FC Ports on Demand** — This new license enables all eight FC ports on the Brocade 8000. (**IMPORTANT NOTE:** Most Brocade 8000 units shipped with FOS v6.1.2_CEE1 did not ship with this license and need to have it installed prior to upgrading to FOS v6.3.0. Failure to do so will result in disabling of FC ports following the upgrade. Please contact Brocade to obtain this license key).
- **7800 Port Upgrade** — This new license allows a Brocade 7800 to enable 16 FC ports (instead of the base four ports) and six GbE ports (instead of the base two ports). This license is also required to enable additional FCIP tunnels and also for advanced capabilities like tape read/write pipelining. A Brocade 7800 must have the Port Upgrade license installed to add FICON Management Sever (CUP) or Advanced Accelerator for FICON.
- **Advanced Extension** – This new license enables two advanced extension features: FCIP Trunking and Adaptive Rate Limiting. The FCIP Trunking feature allows multiple IP source and destination address pairs (defined as FCIP Circuits) via multiple 1GigE or 10GbE interfaces to provide a high bandwidth FCIP tunnel and failover resiliency. In addition, each FCIP circuit supports four QoS classes (Class-F, Hi, Medium and Low Priority), each as a TCP connection. The Adaptive Rate Limiting feature provides a minimum bandwidth guarantee for each tunnel with full utilization of the available network bandwidth without impacting throughput performance under high traffic load. This license is available on the 7800 and the DCX/DCX-4S for the FX8-24 on an individual slot basis.
- **10GbE FCIP** – This new license enables the two 10GbE ports on the FX8-24. With this license, two additional operating modes (in addition to 10 1GbE ports mode) can be selected:
    - 10 1GbE ports and 1 10GbE port, or
    - 2 10GbE ports

  This license is available on the DCX/DCX-4S for the FX8-24 on an individual slot basis.
- **Advanced FICON Acceleration** – This new licensed feature uses specialized data management techniques and automated intelligence to accelerate FICON tape read and write and IBM Global Mirror data replication operations over distance, while maintaining the integrity of command and acknowledgement sequences. This license is available on the 7800 and the DCX/DCX-4S for the FX8-24 on an individual slot basis.

Some models offer bundles that include 2 or more optionally licensed features. These bundles are defined for each unique product, and are outside the scope of this release note document.

Temporary License Support

The following licenses are available for 45-day temporary use, with a maximum of two temporary licenses per feature and per switch (90 days maximum):

- Fabric (E_port) license
- Extended Fabric license
- Trunking license
- High Performance Extension license
- Advanced Performance Monitoring license
- Adaptive Networking license
- Fabric Watch license
- Integrated Routing license
- Server Application Optimization(support as a temporary license is new in FOS v6.3)
- Advanced Extension license (support is new in FOS v6.3)
- Advanced FICON Acceleration license (support is new in FOS v6.3)
- 10GbE FCIP license (support is new in FOS v6.3)

Note: Temporary Licenses for features available on a per slot basis enable the feature for any and all slots in the chassis.

Universal Temporary License Support (New)

The following list of licenses are available as Universal Temporary licenses, meaning the same license key can be installed on any switch running FOS v6.3 or later that supports the specific feature. Universal Temporary license keys can only be installed once on a particular switch, but can be applied to as many switches as desired. Temporary use duration (the length of time the feature will be enabled on a switch) is provided with the license key. All Universal Temporary license keys have an expiration date upon which the license can no longer be installed on any unit.

- Fabric (E_port) license
- Extended Fabric license
- Trunking license
- High Performance Extension license
- Advanced Performance Monitoring license
- Adaptive Networking license
- Fabric Watch license
- Integrated Routing license
- Server Application Optimization
- Advanced Extension license
- Advanced FICON Acceleration license
- 10GbE license

Previously Licensed Software Now Part of Base FOS

The following capabilities are included as part of the base FOS capability and no additional purchase or licensing is necessary:

- Advanced Zoning and WebTools licenses are no longer necessary beginning with FOS v6.1. These features are automatically enabled on all products running FOS v6.1 or later.

Supported Switches

Fabric OS v6.3.0 supports the Brocade 300, 5410/5480/5424/5450, 4100, 4900, 5000, 5100, 5300, 7500/7500E, 7600, 48000, Brocade Encryption Switch (BES), DCX/DCX-4S, 8000, and the new 7800. All supported products are qualified for Native Connectivity in interopmodes 2 and 3 for deployment in M-EOS fabrics with the exception of the Brocade 4100 and 8000.

Access Gateway mode is also supported by Fabric OS v6.3.0, and is supported on the following switches: the Brocade 300, 5100, 5480, 5450 and M5424.

Note that FOS v6.3 does NOT support the following platforms and cannot be loaded on them, though these switches may participate in the same fabric as other switches using FOS v6.3:

- Brocade 200E
- All 4G embedded switches, including the 4012, 4016, 4018, 4020, 4024, 4424

Please refer to the *Supported Products and FOS Interoperability* table for the versions of FOS code that must be used on these platforms to interoperate with FOS v6.3. The above noted 4G platforms will continue to be supported by FOS v6.2.x.

Standards Compliance

This software conforms to the Fibre Channel Standards in a manner consistent with accepted engineering practices and procedures. In certain cases, Brocade might add proprietary supplemental functions to those specified in the standards. For a list of FC standards conformance, visit the following Brocade Web site: *http://www.brocade.com/sanstandards*

The Brocade 8000 and FCOE10-24 blade conform to the following Ethernet standards:

- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1s Multiple Spanning Tree
- IEEE 802.1w Rapid reconfiguration of Spanning Tree Protocol
- IEEE 802.3ad Link Aggregation with LACP
- IEEE 802.3ae 10G Ethernet
- IEEE 802.1Q VLAN Tagging
- IEEE 802.1p Class of Service Prioritization and Tagging
- IEEE 802.1v VLAN Classification by Protocol and Port
- IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
- IEEE 802.3x Flow Control (Pause Frames)

The following draft versions of the Converged Enhanced Ethernet (CEE) and Fibre Channel over Ethernet (FCoE) Standards are also supported on the Brocade 8000 and FCOE10-24 blade:

- IEEE 802.1Qbb Priority-based Flow Control
- IEEE 802.1Qaz Enhanced Transmission Selection
- IEEE 802.1Qaz DCB Capability Exchange Protocol
- FC-BB-5 FCoE (Rev 1.0.3)

Technical Support

Contact your switch supplier for hardware, firmware, and software support, including product repairs and part ordering. To expedite your call, have the following information immediately available:

1. **General Information**

   - Technical Support contract number, if applicable
   - Switch model
   - Switch operating system version
   - Error numbers and messages received
   - **supportSave** command output
   - Detailed description of the problem, including the switch or fabric behavior immediately following the problem, and specific questions
   - Description of any troubleshooting steps already performed and the results
   - Serial console and Telnet session logs
   - Syslog message logs

2. **Switch Serial Number**

   The switch serial number is provided on the serial number label, examples of which are shown here:

   The serial number label is located as follows:

   - Brocade 4100, 4900, and 7500/7500E — On the switch ID pull-out tab located inside the chassis on the port side on the left
   - Brocade Encryption Switch, 300, 5000, 5100, and 5300 — On the switch ID pull-out tab located on the bottom of the port side of the switch
   - Brocade 7600 — On the bottom of the chassis
   - Brocade 7800 — On the pull-out tab on the front left side of the chassis underneath the serial console and Ethernet connection and on the bottom of the switch in a well on the left side underneath (looking from front)
   - Brocade 8000 — On the switch ID pull-out tab located inside the chassis on the port side on the left and also on the bottom of the chassis.
   - Brocade 48000 — Inside the chassis next to the power supply bays
   - Brocade DCX — Bottom right of the port side
   - Brocade DCX-4S — Back, upper left under the power supply

3. **World Wide Name (WWN)**

When the Virtual Fabric feature is enabled on a switch, each logical switch has a unique switch WWN. Use the **wwn** command to display the switch WWN.

If you cannot use the **wwn** command because the switch is inoperable, you can get the primary WWN from the same place as the serial number, except for the Brocade DCX/DCX-4S. For the Brocade DCX, access the numbers on the WWN cards by removing the Brocade logo plate at the top of the non-port side. The WWN is printed on the LED side of both cards.

4. **License Identifier (License ID)**

   There is only one License Identifier associated with a physical switch or director/backbone chassis. This License Identifier is required as part of the ordering process for new FOS licenses.

   Use the **licenseId** command to display the License Identifier.

Important Notes

This section contains information that you should consider before you use this Fabric OS release.

DCFM Compatibility

FOS v6.3.0 is fully compatible with Brocade's Data Center Fabric Manager (DCFM) v10.3.x management software. DCFM is a comprehensive SAN management application that enables end-to-end management of Brocade Data Center Fabrics. It is the next-generation successor product to existing Brocade management products, including Brocade Fabric Manager (FM) and Brocade Enterprise Fabric Connectivity Manager (EFCM).

DCFM 10.3 is available in three editions:

- *DCFM Professional:* a fabric management application that is ideally suited for small-size businesses that need a light-weight management product to manage their smaller fabrics. It manages one FOS fabric at a time, up to 1,000 switch ports, and provides support for Brocade FC switches, Brocade HBAs / CNAs, and Fibre Channel over Ethernet (FCoE) / Converged Enhanced Ethernet (CEE) switches
- *DCFM Professional Plus*: a SAN management application designed for medium-size businesses for managing up to 4 physical fabrics (FOS, M-EOS and Mixed fabrics) up to 2,560 switch ports. It supports Brocade director products (DCX-4S, 48Ks, etc.), FC switches, Fibre Channel Over IP (FCIP) switches, Fibre Channel Routing (FCR) switches/ Integrated Routing (IR) capabilities, Fibre Channel over Ethernet (FCoE) / Converged Enhanced Ethernet (CEE) switches, and Brocade HBAs / CNAs. Enterprise-class customers looking to manage departmental SANs can consider deploying this product as well
- *DCFM Enterprise*: a SAN management application designed for enterprise-class customers for managing up to 24 physical fabrics and up to 9,000 switch ports. DCFM Enterprise supports all the hardware platforms and features that DCFM Professional Plus supports, and also adds support for the Brocade DCX Director product, and Fiber Connectivity (FICON) capabilities

Existing EFCM v9.6.x/9.7.x and FM v5.4/5.5 customers are provided an easy migration path to DCFM Enterprise.

EFCM and Fabric Manager Compatibility

With the introduction of DCFM, both EFCM and Fabric Manager (FM) have been put into sustaining mode. Consequently, neither EFCM nor FM supports any new firmware features or new hardware platforms. Brocade highly recommends that customers consider migrating from these products to DCFM Enterprise. While EFCM and FM haven't been explicitly tested with FOS v6.3, existing features are expected to work without any issues.

WebTools Compatibility

- FOS v6.3 is supported with JRE 1.6.0 Update 13.
- If the JRE v1.6.0 version is not at Update 13, the DCFM server / client and B-model Element Manager (Web Tools) Crashes on launch
- WebTools Tunnel and TCP graphs only support Tooltips for the first enabled TCP connection graph.

Fabric OS Compatibility

The following table lists the earliest versions of Brocade software supported in this release, that is, the *earliest* supported software versions that interoperate. Brocade recommends using the *latest* software versions to get the greatest benefit from the SAN.

When using the Virtual Fabrics feature, it is highly recommended that all switches participating in a fabric with a logical switch use the latest firmware available for those switches. All switches must be operating at minimum firmware levels noted in the FOS Interoperability table below.

When using any of Brocade's encryption platforms (Brocade Encryption Switch or Brocade FS8-18 blade in a DCX or DCX-4S) it is required that switches attached to hosts and targets or those that are part of the encryption flow be operating with minimum specified levels:

- 2Gb/4Gb platforms must operate with FOS v5.3.1b or later
- 4Gb/8Gb platforms must operate with FOS v6.1.0e, v6.1.1 or later (4Gb platforms may use v5.3.1b but are recommended to use the v6.x versions)
- M-EOS platforms must operate with M-EOS v9.8.0 or later for McDATA Fabric Mode (interopmode 2) or M-EOS 9.9.0 or later for Open Fabric Mode environments (interopmode 3)

For a list of the effective end-of-life dates for all versions of Fabric OS, visit the following Brocade Web site:

http://www.brocade.com/support/end_of_life.jsp

Supported Products and FOS Interoperability	
Brocade 2000-series switches	Not supported, end of support (December 2007)

Brocade 3200, 3800	Not supported.
Brocade 3000	v3.2.1c [1 6 7]
Silkworm 3016, 3250, 3850 and Brocade 3900, 4100, 4900, 24000, 7500, 7500E, 5000, 200E, 48000	v5.3.2 (2G and 4G platforms) and v6.1.0e and later [5] (4G platforms only)
Silkworm 12000	v5.0.x [6 7]
Brocade 4012, 4016, 4018, 4020, 4024, 4424	v5.3.1b, v6.1.0e and later [5]
Brocade 5410, 5480, 5424	v6.2.0
Brocade 8000	v6.1.2_CEE1 or later
Brocade 7800, DCX and DCX-4S with FCOE10-24 or FX8-24 blades	v6.3.0
Brocade DCX, 300, 5100, 5300	v6.1.0e and later [5]
Brocade DCX-4S	v6.2.0
Brocade DCX with FS8-18 blade(s), Brocade Encryption Switch	v6.1.1_enc
Brocade DCX/DCX-4S/48000 with FA4-18 blade(s), Brocade 7600	v5.2.x or later (DCX requires v6.0.x or later, DCX-4S requires 6.2.x or later)
Mi10k, M6140, ED-6064, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700 (McDATA Fabric Mode and Open Fabric Mode) [2 4]	M-EOS v9.9.5 or later [3]
McDATA ED-5000 32-port FC director	Not Supported
Multi-Protocol Router interop	
Brocade 7420	XPath v7.4.1
Brocade 7500 and FR4-18i blade	v5.1.0 and higher [8]
McDATA SANRouters 1620 and 2640	Not Supported

Table Notes:

[1] All zoning and fabric operations performed in a fabric with products running older versions of FOS should be done via interfaces to products running the latest version of FOS. This is particularly important for Brocade 3XXX series switches that do not support zoning configuration for newer products.

[2]Other M-EOS models may participate in a fabric with FOS v6.3, but may not be directly attached via E_port to any products running FOS v6.3. The McDATA ED-5000 director may not participate in a mixed M-EOS/FOS fabric.

[3] It is highly recommended that M-EOS products operate with the most recent version of M-EOS released and supported for interoperability. M-EOS 9.9.5 is the only version of code that has been fully qualified for interoperability with FOS v6.3. M-EOS 9.7.2 is the minimum version of firmware

that is supported to interoperate with FOS 6.3. For support of frame redirection in McDATA Fabric Mode (interopmode 2), M-series products must use M-EOS v9.8 or later. For support of frame redirection in McDATA Open Fabric Mode (interopmode 3), M-series products must use M-EOS v9.9 or later. Only the ES-4400, ES-4700, M6140, and Mi10k may have devices directly attached that are having data encrypted or unencrypted.

[4]When routing to an M-EOS edge fabric using frame redirection, the M-EOS fabric must have a FOS-based product in order to configure the frame redirection zone information in the edge fabric.

[5]When directly attached to a Host or Target that is part of an encryption flow.

[6]Products operating with FOS versions less than v5.3.1b or v6.1.0e may not participate in a logical fabric that is using XISLs (in the base fabric).

[7]These platforms may not be directly attached to hosts or targets for encryption flows.

Fabric OS v6.3.0 software is fully qualified and supports the blades for the 48000 platform noted in the following table:

48000 Blade Support Matrix	
Port blade 16, 32 and 48-port 4Gbit blades (FC4-16, FC4-32, FC4-48), 16, 32 and 48-port 8Gbit blade (FC8-16, FC8-32, FC8-48), and the 6-port 10G FC blade (FC10-6)	Supported with any mix and up to 8 of each. No restrictions around intermix. The 48000 must run Fabric OS v6.0 or later to support the FC8-16 port blade and Fabric OS v6.1 or later to support the FC8-32 and FC8-48 port blades.
Intelligent blade	Up to a total of 4 Intelligent blades (includes iSCSI, FCIP/FCR and Application blade), FC4-16IP, FR4-18i, and FA4-18 respectively. See below for intermix limitations, exceptions, and a max of each blade.
iSCSI blade (FC4-16IP)	Up to a maximum of 4 blades of this type
FC-IP/FC Router blade (FR4-18i)	Up to a maximum of 2 blades of this type. This can be extended under special circumstances but must be approved by Brocade's Product Team. Up to 8 FR4-18i blades can be installed if they are used only for FC Fastwrite or FCIP without routing.
Virtualization/Application Blade (FA4-18)	Up to a maximum of 2 blades of this type.
Encryption Blade (FS8-18), Extension Blade (FX8-24), FCoE/CEE Blade (FCOE10-24)	Not supported.

Fabric OS v6.3.0 software is fully qualified and supports the blades for the DCX/DCX-4S noted in the following table:

DCX/DCX-4S Blade Support Matrix	
16-, 32- and 48-port 8Gbit port blades (FC8-16, FC8-32, FC8-48) and the 6-port 10G FC blade (FC10-6)	Supported with FOS v6.0 and above with any mix and up to 8/4 of each. No restrictions around intermix.
Intelligent blade	Up to a total of 8/4 intelligent blades. See below for maximum supported limits of each blade.
FC-IP/FC Router blade (FR4-18i)	Up to a maximum of 4 blades of this type. This can be extended under special circumstances, but must be approved by Brocade's Product Team. Up to 8 FR4-18i blades can be installed in a DCX if they are used only for FC Fastwrite or FCIP without routing.
Virtualization/Application Blade (FA4-18)	Up to a maximum of 4 blades of this type.
Encryption Blade (FS8-18)	Up to a maximum of 4 blades of this type.
Extension Blade (FX8-24)	Up to a maximum of 2 blades of this type.
FCoE/CEE Blade (FCOE10-24)	Up to a maximum of 2 blades of this type. Cannot be used in a chassis with other intelligent blades (can only be installed concurrently with FC8-XX and/or FC10-6 blades)

Note: the iSCSI FC4-16IP blade is not qualified for the DCX/DCX-4S.

Power Supply Requirements for Blades in 48k and DCX/DCX-4S Chassis					
Blades	**Type of Blade**	**48K** @200-240 VAC (Redundant configurations)	**DCX/DCX-4S** @110 VAC (Redundant configurations)	**DCX/DCX-4S** @200-240 VAC (Redundant configurations)	**Comments**
FC 4-16, FC 4-32, FC 4-48, FC 8-16, FC 8-32	Port Blade	2 Power Supplies	2 Power Supplies	2 Power Supplies	• Distribute the Power Supplies evenly to 2 different AC connections for redundancy.
FC10-6, FC 8-48	Port Blade	4 Power Supplies	Not Supported	2 Power Supplies	
FR4-18i, FC4-16IP*, FA4-18	Intelligent Blade	4 Power Supplies	Not Supported	2 Power Supplies	
FS8-18, FX8-24, FCOE10-24	Intelligent Blade	NA	Not Supported	DCX: 2 or 4 Power Supplies	• For DCX with three or more FS8-18 Blades, (2+2) 220VAC Power

Blades	Type of Blade	48K @200-240 VAC (Redundant configurations)	DCX/DCX-4S @110 VAC (Redundant configurations)	DCX/DCX-4S @200-240 VAC (Redundant configurations)	Comments
				DCX-4S: 2 Power Supplies	Supplies are required for redundancy. • For DCX with one or two FS8-18 Blades, (2) 220VAC Power Supplies are required for redundancy. • For DCX-4S, (2) 220VAC Power Supplies provide redundant configuration with any number of FS8-18 Blades. • For both DCX and DCX-4S with FX8-18 blades, (1+1) 220VAC Power Supplies are required for redundancy.

*Note: the iSCSI FC4-16IP blade is not qualified for the DCX/DCX-4S.

FOS Feature Compatibility in Native Connectivity Modes

Some FOS features are not fully supported when operating in the native connectivity modes for deployment with M-EOS based products. All Brocade models that are supported by Fabric OS v6.3.0 support both interopmodes 2 and 3 with the exception of the Brocade 4100 and 8000 and DCX/DCX-4S with one or more FCOE10-24 blades.

The following table specifies the support of various FOS features when operating in either interopmode 2 (McDATA Fabric Mode) or interopmode 3 (Open Fabric Mode) with Fabric OS v6.3.

FOS Features (supported in interopmode 0)	**FOS v6.3**	
IM = Interopmode	**IM 2**	**IM 3**
L2 FOS Hot Code Load	Yes	Yes
FOS Hot Code Load with FCR	Yes	Yes
Zone Activation Support	Yes	Yes[11]
Traffic Isolation Zones[1]	Yes	No
Frame Redirection (devices attached to FOS)[1]	Yes	Yes[11]
Frame Redirection (devices attached to M-EOS)[1]	Yes	Yes[11]

FOS Features (supported in interopmode 0)	**FOS v6.3**	
IM = Interopmode	**IM 2**	**IM 3**
Frame Redirection over FCR[10]	Yes	Yes[11]
FCR Fabric Binding (route to M-EOS fabric with Fabric binding) [9]	Yes	Yes
L2 Fabric Binding	Yes	No*
DCC policies	No	No
SCC policies	Yes[4]	No*
E/Ex_Port Authentication	Yes	Yes
ISL Trunking (frame-level)	Yes[2]	Yes[2]
Dynamic Path Selection (DPS, exchange based routing)	Yes[3]	Yes[3]
Dynamic Load Sharing (DLS, port based routing)	Yes	Yes
Virtual Channels (VC RDY)	Yes[2]	Yes[2]
FICON Management Server (Cascading)	Yes	No*
FICON MIHPTO	Yes	No*
Full Scalability (to maximum M-EOS fabric limits)	Yes	Yes
Adaptive Networking: QoS	No	No
Adaptive Networking: Ingress Rate Limiting	No*	No*
Advanced Performance Monitoring (APM)	No*	No*
APM: TopTalkers	No*	No*
Admin Domains	No	No
Secure Fabric OS[5]	N/A	N/A
Fabric Watch	Yes	Yes
Ports on Demand (POD)	Yes	Yes
NPIV	Yes	Yes
Timer Server function (NTP)	No	No
Open E_Port[6]	N/A	N/A
Broadcast Zoning	No	No
FDMI	No	No
Remote Switch	No	No
Port Mirroring	Yes	Yes
Extended Fabrics	Yes	Yes[7]
Alias Server	No	No
Platform Service	No	No
FCIP (VE_Ports)	Yes	Yes
IPFC (IP over FC)	Yes[8]	Yes[8]
M-EOS ALPA 0x13 configuration	Yes	Yes
VE to VEX Port	Yes	Yes
Integrated Routing[9]	Yes[9]	Yes
Domain Offset Support	Yes	Yes
239 Domain Support (available on Mi10k only)	N/A	Yes
Masterless F_PORT Trunking (AG connect to FOS switches only)	Yes	Yes
FC10-6-to-FC10-6 ISL	Yes	Yes
RASLOG Events on duplicate WWNs	Yes	Yes
Virtual Fabrics	Yes	Yes
Logical Fabric using LISLs (XISLs in Base Fabric)	No	No
Port Fencing	Yes	Yes
Bottleneck Detection	Yes	Yes

* indicates the feature is available but not officially tested or supported

1. Requires M-EOS 9.7 or later for redirection between devices attached to FOS switches, M-EOS 9.8 for redirection between devices attached to M-EOS switches, M-EOS 9.9 for use in McDATA Open Fabric Mode. Supported M-EOS platforms include M4400, M4700, M6140, and Mi10k.
2. Only allowed between FOS-based switches
3. DPS is supported outbound from FOS-based switches. (M-EOS can provide reciprocal load balancing using OpenTrunking).
4. SCC policies only supported in conjunction with L2 Fabric Binding support
5. Not supported in FOS 6.0 or later
6. Mode 3 only qualified with M-EOS switches
7. Not on FCR
8. Only supported locally within the FOS switch
9. All routers (EX_Ports) must reside in a backbone fabric running in interopmode 0 only. Only edge fabrics with devices imported to the backbone fabric or other edge fabrics may be operating in IM2 or IM3.
10. To support Frame Redirection to an edge M-EOS fabric, there must be at least one FOS switch in the edge fabric to configure Frame Redirection Zones.
11. Only Frame Redirection Zones may be configured on FOS platforms and sent to fabrics operating in McDATA Open Fabric Mode (interopmode 3). M-EOS 9.9 is required to support FR Zones in McDATA Open Fabric Mode.

Note: FICON Cascaded CUP with M-EOS and FOS qualified only on select platforms.

Firmware Upgrades and Downgrades

Upgrading to Fabric OS v6.3.0 is only allowed from Fabric OS v6.2.0 or later. This policy to support only one-level migration, which began with FOS v6.0.0, provides more reliable and robust migrations for customers. By having fewer major changes in internal databases, configurations, and subsystems, the system is able to perform the upgrade more efficiently, taking less time and ensuring a truly seamless and non-disruptive process for the fabric. The one-release migration policy also reduces the large number of upgrade/downgrade permutations that must be tested, allowing Brocade to spend more effort ensuring the supported migration paths are thoroughly and completely verified.

All products supported by Fabric OS v6.2.X or v6.1.2_CEEx can be upgraded to Fabric OS v6.3. The following is a list of products that can be upgraded to Fabric OS v6.3:

- 5424/5410/5480, 4100, 4900, 5000, 300, 5100, 5300, 7500/7500E, 7600, 8000, 48000, BES, DCX-4S and DCX.

FOS does not support concurrent FC Routing (EX_Ports) and TopTalkers features.

If there are multiple node EGs (encryption groups) in a fabric, please complete firmwaredownload on one node at a time before downloading on another node.

The Brocade 8000 does not support non-disruptive hot code loads (HCL).

When upgrading a Brocade 8000 from FOS v6.1.2_CEE or v6.1.2_CEE1 to v6.3, verify that the unit has both the FCoE and FC POD licenses installed. Units missing these licenses that are upgraded to FOS v6.3 will lose functionality following a restart or disabling of ports. Note that when the FC POD license is installed on a unit with FOS v6.1.2, the *licenseShow* output will indicate that the license is "not applicable on this platform." This message can be ignored and will not appear once the unit has been upgraded to v6.3.

If the 6.2 switch is in the fips mode, and has only ldap authentication support, and upgraded to 6.3, login will fail. So if the 6.2 switch is in the fips mode, customer should configure both ldap and local authentications before upgrading it to the 6.3.once the switch is up, customer can login into the switch and import the certificate again. If the switch is not in the fips mode, customer can login into the switch with ldap after upgrading to the 6.3, and then import the certificate

SAS Version Requirements for FA4-18 and Brocade 7600:

SAS v3.4.0 is the supported SAS version for FOS v6.3.0.

- When upgrading from FOS v6.2 to v6.3.0 and SAS 3.3.0 to SAS 3.4.0, first upgrade FOS v6.2 to v6.3.0 and then upgrade SAS from 3.3.0 to 3.4.0.
- When downgrading from FOS v6.3.0 to v6.2 and SAS 3.4.0 to SAS 3.3.0, first downgrade SAS from 3.4.0 to 3.3.0 and then downgrade FOS from v6.3.0 to v6.2. If the switch is downgraded to v6.2 prior to the SAS downgrade to v3.3, the switch will fault.

Scalability

All scalability limits are subject to change. Limits may be increased once further testing has been completed, even after the release of Fabric OS. For current scalability limits for Fabric OS, refer to the *Brocade Scalability Guidelines* document, available under the *Technology and Architecture Resources* section at http://www.brocade.com/compatibility

Other Important Notes and Recommendations

FCIP, FCIP Trunking and High Bandwidth (Brocade 7800 and FX8-24)

- FCIP connections are supported only between the Brocade 7800/FX8-24 and another 7800/FX8-24. FCIP tunnels are not supported between the 7800/FX8-24 and the previous generation Brocade 7500/FR4-18i platforms.
- When additional circuits (and the network bandwidth provided by those circuits) are added to an already active tunnel, there is a short period of time where some frame loss can occur due to the process to re-fresh the internal FC frame routing tables in the switch. Therefore, additional circuits should only be added during low I/O periods utilizing the FCIP Tunnel being modified. In addition, if the circuit operation (addition/deletion) to the tunnel increases/decreases the total tunnel bandwidth, an FCIP Tunnel (VE port) disable/enable sequence should be performed after the addition/deletion of the circuit. This will allow the switch to adjust the internal routes to fully utilize the new bandwidth.
- Switching modes between 10G and 1G is disruptive for FCIP traffic.
- Keep alive timeout (milliseconds) - Valid range is 500ms to 7,200,000ms (inclusive). Default value is 10000ms (10 seconds). If FICON is configured the recommended value is 1000 ms (1 second), otherwise the recommended value is the default of 10 seconds. For impairment networks with 100ms latency and 0.5% packet loss, keep alive time out should be configured as 30seconds. If the local and remote circuit configurations' Keep Alive Timeout values do not match, the tunnel will use the lower of the two configured values.
- Software compression (available on the 7800) modes 2 and 3 are not supported in FICON environments; they are supported only in Open Systems environments.

- Software compression (mode 2, 3) generally gives a better compression ratio, but not the throughput/bandwidth across all six GE ports. Software compression is recommended for low throughput links and supports throughput up to 2Gbps across all 6 GE ports.
- In order to perform the following operations it is necessary to delete the FCIP configuration on the affected ports first:
    - Switching modes between 1G/10G/Dual
    - Moving VE/GE port between logical switches
- The FX8-24 supports three different operating modes:
    1) 10 1GbE ports mode (default)
    2) 10 1GbE ports and 1 10GbE port
    3) 2 10GbE ports

    Modes 2 and 3 require the slot-based 10 GbE FCIP license.
- ARL (Adaptive Rate Limiting) is not supported on 10G tunnels.
- IPv6, IPSec, Diffserv, VLAN tagging, and "Inband Management" are not supported on the Brocade 7800 or FX8-24.
- FOS v6.3 only supports up to four 1 Gig Circuits per VE/FCIP Tunnel for the 1 gig interfaces. A VE/FCIP Tunnel created over the 10 Gig Interfaces will be limited to 10 circuits created using IPIFs on the same 10 GigE port (and no more than 1G per circuit).
- As a recommended best practice, the VE tunnel shouldn't be over-subscribed (eg 8G FC traffic over 500Mbps tunnel). General guidelines are 2:1 subscription without compression and 4:1 with compression.
- Non-disruptive firmware activation on FOS v6.3 will disrupt I/O traffic on FCIP links.
- Fibre Channel Routing (VEX) is not supported on the Brocade FX8-24 blade but is supported on the Brocade 7800.
- Differences between the Brocade 7800/FX8-24 platforms and previous generation 7500/FR4-18i platforms include:
    - On the 7800, the GigE port does not directly correlate to a VE port
    - On the FX8-24, GigE ports 0-9 or 10GigE port 1 (xge1) correspond to VE ports 12-21, and 10 GigE port 0 (xge0) corresponds to VE ports 22-31
    - The CLI syntax for the 7800/FX8-24 varies from the 7500/FR4-18i. Please refer to the *Brocade Fabric OS Command Reference* document for FOS v6.3 for details.
- Both ends of a tunnel must be identically configured for Compression, FW and Tape pipeline options. If a mismatch exists, the tunnel will not be established and the TCP virtual connections will be removed.
- Under Traffic Isolation Zone configurations with fail over enabled, Non-TI zone traffic will use the dedicated path if no other E or VE paths through the fabric exist, or if the non-

dedicated paths are not the shortest paths. (A higher bandwidth tunnel with multiple circuits will become shortest path compared to a single tunnel) .

- A VE/VEX Tunnel and E/EX FC port cannot connect to the same domain at the same time.
- The Recommended Keep Alive Timeout must be the same on tunnel/circuits on the switches on both sides of a link.
- Brocade 7800 or FX8-24 cannot receive a ping from an external device (for example – Windows PC).
- Latency measurements supported on FCIP Tunnels (Tested limit under FOS v6.3.0):
  - 1GbE - 200ms round trip time and 1% Loss
  - 10GbE – 50ms round trip and 0.1% Loss
- Brocade 7800 supports Optical and Copper Media types on GE0 and GE1 interfaces. Copper Media type is default on GE0/GE1 ports and does not support auto-sense functions.

FCoE/CEE (Brocade 8000 and FCOE10-24)

- The Brocade 8000 balances the FCoE bandwidth across all six port groups (each port group contains four ports). To get optimum performance for FCoE traffic it is recommended that the user distribute server CNA connections across these six port groups.

- Hot-plugging a CP with firmware level less than FOS v6.3.0 into a DCX or DCX-4S with an active FCOE10-24 blade will result in the new standby CP not coming up.

- Brocade recommends that Converged Mode be enabled on all interfaces connected to CNAs.

- When operating in Converged Mode, tagged traffic on the native VLAN of the switch interface is processed normally. The host should be configured not to send VLAN tagged traffic on the switch's native VLAN.

- The Converged Network Adapter (CNA) may lose connectivity to the Brocade 8000/FCOE10-24 if the CNA interface is toggled repeatedly over time. This issue is related to the CNA and rebooting the CNA restores connectivity.

- Although the Brocade 8000/FCOE10-24 support the configuration of multiple CEE maps, it is recommended to use only one CEE map on all interfaces connected to CNAs. Additionally, CEE maps are not recommended for use with non-FCoE traffic. QoS commands are recommended for interfaces carrying non-FCoE traffic.

- It is recommended that Spanning Tree Protocol and its variants be disabled on CEE interfaces that are connected to a server.

- The Fabric Provided MAC Address (FPMA) and the Fibre Channel Identifier (FCID) assigned to a VN_Port cannot be associated with any single front-end CEE port on which the FLOGI was received.

- LLDP neighbor information may be released before the timer expires when DCBX is enabled on a CEE interface. This occurs only when the CEE interface state changes from active to any other state. When the DCBX is not enabled, the neighbor information is not released until the

timer expires, irrespective of the interface state.

- The FCoE Login Group Name should be unique in a fabric wide FCoE Login Management Configuration. The merge logic is designed to modify the Login Group Name during merge when Login group names in participating configurations conflict with each other. The current OUI of 00051E is being used by Brocade, while assigning the WWNs to 8000s, DCXs and DCX4Ss, which would make only the last 3 bytes as different for any two 8000s, DCXs or DCX4Ss. Considering this assignment method, the merge logic would rename the login group by including the last 3 bytes of WWN in the login group name, so that they are unique in the merged configuration.

- For switches having different OUI indices from the 8 assigned to Brocade (for ex: 00051E and 006069), WWNs can differ in more than 3 bytes. In this case, after normal merge and a rename as per above described logic, login group names can be the same for WWNs differing only in OUIs. The merge logic would drop one of the Login Groups to satisfy the requirement to keep the Login Group Name unique in the fabric wide configuration.

- Ethernet switch services must be explicitly enabled using the command "*fosconfig –enable ethsw"* before powering on an FCOE10-24 blade. Failure to do so will cause the blade to be faulted (fault 9).

- In order to support non-disruptive firmware upgrades on the DCX/DCX-4S, a new service "ethsw" is being introduced to enable Ethernet switching on FCOE10-24 in FOS v6.3. LAN switching is disabled by default in FOS v6.3. The user must explicitly enable ethernet switch service to prevent FC traffic interruption using the command "*fosconfig –enable ethsw*".
- Upgrading from FOS v6.x to FOS v6.3 is non-disruptive. User can enable ethsw after upgrade without FC traffic interruption. Upgrading the BR 8000 from FOS v6.1.2_cee to FOS v6.3 will disrupt the FC traffic.
- Upgrades from FOS 6.3 to future releases will be non-disruptive to data traffic and will have behavior similar to a CP failover. "ethsw" remains unchanged.

- Downgrade from FOS v6.3 to FOS v6.1.2_CEEx is **disruptive** if *"ethsw'* is enabled on FOS v6.3.

- Downgrade from FOS v6.3 to FOS v6.1.2_CEEx is non-disruptive if ***"ethsw"*** has never been enabled with FOS v6.3

- Connecting a Brocade 8000 to an FCR-capable switch with fcrbcast config enabled will cause a storm of broadcast traffic resulting in termination of iswitchd.

- When rebooting a DCX or DCX-4S with an FCOE10-24 blade, Qlogic CNA and LSAN zoning, the switch will become very unresponsive for a period of time. This is due to the CNA sending excessive MS queries to the switch.

Virtual Fabrics:

- On Virtual Fabrics capable platforms, the Virtual Fabrics feature must be enabled in order to utilize the related capabilities including Logical Switches and Logical Fabrics. On units that ship with FOS v6.3 installed, the Virtual Fabrics feature is enabled by default on capable platforms.
- When creating Logical Fabrics that include switches that are not Virtual Fabrics capable, it is possible to have two Logical Switches with different FIDs in the same fabric connected via a VF incapable switch. Extra caution should be used to verify the FIDs match for all switches in the same Logical Fabric.
- In order to support non-disruptive Hot Code Load on a Brocade 5100 with VF enabled, the total zoning DB size for the entire chassis should not exceed 1MB.
- A switch with Virtual Fabrics enabled may not participate in a fabric that is using Password Database distribution or Administrative Domains. The Virtual Fabrics feature must be disabled prior to deploying in a fabric using these features.
- Virtual Fabrics is not supported on Brocade 7800.
- VF dedicated ISLs are supported on FX8-24 blade. XISLs are not supported.
- On a Brocade 5100 with Virtual Fabrics enabled, ports may be re-initialized causing frame drops during a hot code load if the switch has a zoning database that is 1MB or larger in size. To prevent this from occurring, ensure the zoning DB is less than 1MB when activating new firmware.

Licensing Behavior:

- When operating a switch with Fabric OS v6.3, some licenses may display as "Unknown." This is due to changes in licensing requirements for some features that no longer require a license key that may still be installed on a switch.
- If a Universal temporary license is enabled for a slot-based license feature, the license expiration date displays as "NA" in Web Tools. Use the **licenseshow** command to display the correct expiration date.

Encryption Behavior:

- When host clusters are deployed in an Encryption environment, please note the following recommendations:
  - If two EEs (encryption engines) are part of a HAC, configure the host/target pair such that they form a multipath from both EEs. Avoid connecting both the host/target pairs to the same EE. This connectivity does not give full redundancy in case of EE failure resulting in HAC failover.
  - Since quorum disk plays a vital role in keeping the cluster in sync, please configure the quorum disk to be outside of the encryption environment.
- During an online upgrade from FOS v6.2.0x to v6.3.0, it is expected to see the IO link status reported as "Unreachable" when the cryptocfg command is invoked. However, once all the nodes are upgraded to v6.3.0, the command will accurately reflect the status of the IO Link. The IO link status should be disregarded during the code upgrade process.

- The "–key_lifespan" option has no effect for "cryptocfg –add –LUN", and only has an effect for "cryptocfg --create –tapepool" for tape pools declared "-encryption_format native". For all other encryption cases, a new key is generated each time a medium is rewound and block zero is written or overwritten. For the same reason, the "Key Life" field in the output of "cryptocfg --show -container -all –stat" should always be ignored, and the "Key life" field in "cryptocfg --show –tapepool –cfg" is only significant for native-encrypted pools.
- The Quorum Authentication feature requires a compatible DCFM release which supports this feature. Note, all nodes in the EG must be running FOS v6.3.0 for quorum authentication to be properly supported.
- In a DCX or DCX-4S with FOS 6.3.0 and FS8-18 encryption blades installed, you must set the quorum size to zero and disable the system card on the blade prior to downgrading to a FOS version earlier than FOS 6.3.0.
- The System Card feature requires a compatible DCFM release which supports this feature. Note, all nodes in the EG must be running FOS v6.3.0 for system verification to be properly supported.
- The Brocade Encryption switch and FS8-18 blade do not support QoS. When using encryption or Frame Redirection, participating flows should not be included in QoS Zones.
- Brocade encryption devices can be configured for either disk or tape operation. The ability to configure multiple Crypto-Target Containers defining different media types on a single encryption engine (Brocade Encryption Switch or FS8-18 Blade) is not supported. FS8-18 Encryption Blades can be configured to support different media types within a common DCX/DCX-4S chassis.
- When using Brocade Native Mode, in LKM installations, manual rekey is highly recommended. If auto rekey is desired, the key expiry date should be configured only when the LUN is created. Never modify the expiry date after configuring a LUN. If you modify the expiry time, after configuring the LUN the expiration date will not update properly.
- SKM is supported with Multiple Nodes and Dual SKM Key Vaults. Two-way certificate exchange is supported. Please refer to the Encryption Admin Guide for configuration information. If using dual SKMs on BES/FS8-18 Encryption Group, then these SKM Appliances must be clustered. Failure to cluster will result in key creation failure. Otherwise, register only one SKM on the BES/FS8-18 Encryption Group.
- When the tape key expires in the middle of write operation on the tape, the key is used to append the data on the tape media. When the backup application rewinds the media and starts writing to Block-0 again and if the key is expired then a new key is created and used henceforth. The expired key thereafter is marked as read only and used only for restore of data from previously encrypted tapes.
- For dual LKM configuration on the Brocade Encryption Switch (BES) or a DCX/DCX-4S with FS8-18 blades as the primary and secondary key vaults, these LKM appliances must be clustered (linked). Failure to cluster will result in key creation failure. Otherwise, register only one LKM on the BES/FS8-18 Encryption Group. Please refer to the Encryption Admin Guide for configuration information.
- The RKM Appliance A1.6, SW v2.5 is supported. The procedure for setting up the RKM Appliance with BES or a DCX/DCX-4S with FS8-18 blades is located in the Encryption Admin Guide.

- Support for registering a 2nd RKM Appliance on BES/FS8-18 is blocked. If the RKM Appliances are clustered, then the virtual IP address hosted by a 3rd party IP load balancer for the RKM Cluster must be registered on BES/FS8-18 in the primary slot for Key Vault IP.

- With Windows and Veritas Volume Manager/Veritas Dynamic Multipathing, when LUN sizes less than 400MB are presented to BES for encryption, a host panic may occur and this configuration is not supported for 6.2 release.

- HCL from FOS v6.2.x to v6.3.0 is supported. Cryptographic operations and I/O will be disrupted but other layer 2 traffic will not.

- Relative to the BES and a DCX with FS8-18, all nodes in the Encryption Group must be at the same firmware level of FOS v6.2 or v6.3 before starting a rekey or First Time Encryption operation. Make sure that existing rekey or First Time Encryption operations complete before upgrading any of the encryption products in the Encryption Group. Also, make sure that the upgrade of all nodes in the Encryption Group to FOS v6.3.0 completes before starting a rekey or First Time Encryption operation.
- To cleanup the stale rekey information for the LUN, follow one of the following two methods:

  Method 1:

- First, modify the LUN policy from "encrypt" to "cleartext" and commit. The LUN will become disabled.
- Enable the LUN using "cryptocfg --enable –LUN". Modify the LUN policy from "clear-text" to "encrypt" with "enable_encexistingdata" to enable the first time encryption and do commit. This will clear the stale rekey metadata on the LUN and the LUN can be used again for encryption.

  Method 2:

  1. Remove the LUN from Crypto Target Container and commit.
  2. Add the LUN back to the Crypto Target Container with LUN State="clear-text", policy="encrypt" and "enable_encexistingdata" set for enabling the First Time Encryption and commit. This will clear the stale rekey metadata on the LUN and the LUN can be used again for encryption

- nCipher / Thales key vault support troubleshooting tips:
  - Regarding NCKA key vault (KV) communication with a Brocade encryption group, the default communication port setting for the NCKA KV is 37208, however, the Brocade encryption members and leader use 9000 so this needs to be reset on NCKA. Additionally, the following is a checklist of things to review if the initial attempt to connect to the KV fails:
    - Check physical and logical connection via a ping on port 9000, this should be the first check.
    - For the group leader node, the kac client cert and the kv cert files are to be identical.
    - For group member nodes the kv file is to be the same as the kv file on the group leader node.

        - Cross check to ensure the private key file corresponds to the kac public cert file on any node.

- Host encrypted tape I/O may fail to start when the Primary LKM of an LKM key vault cluster is down. When the primary LKM is down, key creation requests can be rejected by the secondary LKM. NetApp is aware of this issue and is tracking it internally with their defect management tool. The workaround in this case is to wait until the offline LKM comes back online and retry.
- In an environment with a mixed FW version (FOS 6.2.x + 6.3.0) Encryption Group, the IO link state reported for 6.2.x nodes is unreachable. During a rolling upgrade from 6.2.0x release to 6.3.0, it is expected to see the IO link status reported as "Unreachable" when the cryptocfg –show -loc command is invoked. However, once all the nodes are upgraded to the 6.3.0 release, then the show command will accurately reflect the status of the IO Link. The IO link status while performing the rolling upgrade from 6.2.0 to 6.3.0 release can be ignored until all nodes have been upgraded to 6.3.0.

```
Mace39:root> cryptocfg --show -loc

  EE Slot:                0
    SP state:             Online
    Current Master KeyID:   43:f1:bd:dc:91:89:f2:f1:6a:a1:48:89:7b:d0:5f:59
    Alternate Master KeyID: 3a:a4:5b:86:90:d5:69:26:29:78:f8:3b:f9:b2:9c:b9
    HA Cluster Membership:  hac39_115
    EE Attributes:
      Link IP Addr   : 10.32.50.36
      Link GW IP Addr: 10.32.48.1
      Link Net Mask  : 255.255.240.0
      Link MAC Addr  : 00:05:1e:53:8a:86
      Link MTU       : 1500
      Link State     : UP
      Media Type     : DISK
      System Card Label    :
      System Card CID      :

Remote EE Reachability :

Node WWN/Slot                EE IP Addr     EE State                IO Link State
10:00:00:05:1e:53:77:80/0    10.32.53.107   EE_STATE_ONLINE         Non-Reachable
10:00:00:05:1e:53:b7:ae/0    10.32.53.105   EE_STATE_ONLINE         Non-Reachable
```

Adaptive Networking/Flow-Based QoS Prioritization:

- When using QoS in a fabric with 4G ports or switches, FOS v6.0 or later must be installed on all products in order to pass QoS info. E_Ports from the DCX to other switches must come up AFTER 6.0 is running on those switches.
- Flow based QoS is NOT supported on FC8 blades in the Brocade 48000.
- Any products that are not capable of operating with FOS 6.0 may NOT exist in a fabric with Flow based QoS. Major problems will occur if previous generation 2G products exist in the fabric.
- The resolution for defect 250438 included in this release changes the default behavior of the Adaptive Networking QoS feature upon firmware upgrade as follows:
    - The default QoS behavior is changed to “disabled” on 4G platforms.
    - The default QoS behavior is changed to “disabled” on “Extended Fabrics E-ports” on both 4G and 8G platforms.

This change solves the following unexpected behaviors that occurred when the Adaptive Networking QoS feature was enabled by default in prior FOS releases:

- Splitting of a single trunk group into multiple trunk groups upon port toggle, since the toggled ports come online with QoS enabled while the remaining ports in the trunk group have QoS disabled.
- Fewer buffer credits being made available to normal E-ports after a port toggle even when QoS is not being utilized.
- Unexpected change to fill word configuration on an Extended Fabrics E-port after a port toggle.
    - If an Extended Fabrics E-port is originally using IDLE primitives as fill words, and if that port toggles, the fill word configuration will be changed to use ARB primitives.

Note: After upgrading to this firmware release, if users want to enable the Adaptive Networking QoS feature on 4G platforms or on Extended Fabrics E-ports on both 4G and 8G platforms, they must do so explicitly through the available user interfaces.

- QoS is supported on AG switches with FOS 6.3.0. The fabric switches should be running 6.3 in order to support QoS. If the fabric switch is 6.2, QoS must be disabled on either switch or AG.

Access Gateway

- When running Adaptive Networking in AG mode note the following:
    - QoS takes precedence over ingress rate limiting
    - Ingress Rate Limiting is not enforced on trunked ports.

FCR

- IPFC over FCR is now disabled by default. Switches that are upgraded to FOS v6.3 will retain their configuration settings for IPFC over FCR. The change to the default configuration only applies to new units shipping with FOS v6.3 or units running v6.3 that are reset to a default configuration. Use *fcrbcast - - enable* to explicitly enable IPFC over FCR.
- Broadcast frame forwarding is not supported in an FCR fabric with a Brocade 8000. By default, broadcast frame forwarding is disabled on the FC router. If your edge fabric includes a Brocade 8000, do not enable broadcast frame forwarding on the FC router because this can degrade FCR performance when there is excessive broadcast traffic.
- With FC8 blades, the switch must be disabled to change the backbone fabric ID
- With routing and dual backbone fabrics, the backbone fabric ID must be changed to keep the IDs unique.

FC Fastwrite

- When an FC Fastwrite Initiator is moved to a port that doesn't have FC Fastwrite enabled, I/O will recover and revert to the slow path route (non FC Fastwrite). This is a behavioral change from FOS v6.2.x.

Traffic Isolation over FCR

- All switches and Fibre Channel Routers both in edge and backbone fabrics must be running FOS v6.1.0 or later in order to support this feature.
- In order for Traffic Isolation over FCR to function properly, the associated TI zones in each fabric (both edge fabrics and backbone fabric) need to have failover ENABLED.
- TI over FCR is only supported in edge to edge configurations. There is no support for TI in backbone to edge routing configurations.

Integrated Routing

- To allow Hot Code Load on a Brocade 5100 when using Integrated Routing, the edge switch connected to the 5100 must be running Fabric OS v6.1 or later code.
- Integrated Routing EX_Ports are only supported in the base switch on a switch with VF enabled.
- Integrated Routing and TopTalkers (Fabric Mode) are not concurrently supported in FOS v6.3. To use Integrated Routing, be sure to first disable Fabric Mode TopTalkers prior to configuring EX_Ports.

Native Connectivity

- FOS-based platforms operating in interopmodes 2 or 3 should never be deployed in a fabric without at least one M-series switch. FOS switches in interopmode 3 (McDATA Open Fabric Mode) do not support configuration of zoning without an M-series switch in the fabric. When migrating from M-series to B-series switches, all B-series switches should be configured to interopmode 0 (Brocade Native mode) once the last M-series switch has been removed from the fabric.

FCS Automatic Distribution

- When using the FCS Automatic Distribution feature in Fabric OS v6.0 or later, all switches in the fabric must be running FOS v6.0 or later. If any switches are running FOS v5.x or earlier, only manual distribution can be used.
- FOS v6.0 or later will only allow FCS automatic distribution when in strict mode, requiring only switches with FOS v6.0 or later.

FCAP

- Due to limitations with the certificates, FCAP authentication cannot be supported on user defined logical switches. FCAP will continue to function with existing certificates for non-VF and the default logical switch of VF enabled switches. (Note: authutil is not restricted from other logical switches, at this time, so this can still be enabled on unsupported LS.)
- pkicert(1.06) utility may cause evm errors, so each new switch should be isolated from fabric, in non-vf mode, to install new certificates.
- For FIPS mode, certificates need to be installed prior to FIPS activation.

FICON

- For the DCX, FICON CUP is not allowed with a 48-port blade in the Default Logical Switch (DLS). All ports on a 48 port blade must be assigned to a user-defined Logical Switch to use them in a FICON CUP enabled switch. If CUP is enabled in the DLS and any ports on a 48-port blade are assigned to the DLS, all ports on that blade will be persistently disabled.
- The DCX-4S is not supported for FICON Cascading in interopmode 2 or 3 for use in mixed fabrics with M-EOS platforms.

FL_Port (Loop) Support

- The FC8-48 blade supports attachment of loop devices in the DCX and DCX-4S.
- Virtual Fabrics must be enabled on the chassis and loop devices may only be attached to ports on a 48-port blade assigned to a non-Default Logical Switch operating with the default 10-bit addressing mode (they may not be in the default Logical Switch).
- A maximum of 144 ports may be used for connectivity to loop devices in a single Logical Switch within a chassis.
- Loop devices continue to be supported when attached to ports on the FC8-16, FC8-32, FC4-16 and FC4-32 blades with no new restrictions.

Port Mirroring

- On the Brocade 5300, the port mirroring feature has a limitation where all port mirror resources must stay within the same ASIC port group. The resources are the configure mirror port, Source Device, and Destination Device or ISL, if the Destination Device is located on another switch. The ASIC port groups are 0-15, 16-31, 32-47, 48-63, and 64-79. The routes will be broken if the port mirror resources are spread across multiple port groups.
- Port Mirroring is not supported on the Brocade 7800.

10G Interoperability

- 10G interop between FC10-6 and McDATA blades is not supported due to a HW limitation, however the FC10-6 is supported in a chassis running in Interopmode 2 or 3 (FC10-6 to FC10-6 connections only). An FC10-6 blade will not synchronize with a McDATA 10G blade but will not negatively impact the system.

Port Fencing

- For Port Fencing, once the trigger threshold is exceeded (e.g. for ITWs or CRCs or LRs), Fabric Watch will wait for approximately six seconds to see if the port is going offline. If it is still online at the next poll cycle, FW will fence the port. Extensive testing has shown that ports that are in the process of going offline may exhibit bursts of errors. Waiting the additional six seconds to check the port status helps prevent false positives and unnecessarily fencing a port (e.g. during a server reboot).
- When using the Port Fencing feature, you must first run the fwalarmsfilterset command. This command enables the port and allows you to receive Port Fencing messages.
- The state changes counter used by Fabric Watch in FOS v6.3 has been updated to ignore any toggling of F-ports due to planned internal mechanisms such as throttling and trunking. There are some FOS CLI commands such as portcfgspeed, portCfgTrunkPort etc that implicitly disable/enable ports after configuration.
- Fabric Watch monitors state change for LISL ports though it is not being displayed in Fabric Watch CLI commands.

ICLs

- If a DCX with an 8-link ICL license is connected to a DCX with a 16-link license, the DCX with the 16-link license will report enc_out errors. The errors are harmless, but will continue to increment. These errors will not be reported if a DCX with a 16-link license is connected to a DCX-4S with only 8-link ICL ports.

- If ICL ports are disabled on only one side of an ICL link, the enabled side may see enc_out errors.

Extended Fabrics and R_RDY Flow Control

Beginning with Fabric OS v5.1, Brocade supported the Extended Fabrics feature in conjunction with R_RDY flow control (R_RDY flow control mode can be enabled via portCfgISLMode command). R_RDY flow control mode that uses IDLE primitives does not support Brocade frame-based Trunking for devices such as Time Division Multiplexor (TDM.) In order to overcome this limitation and provide support for frame-based Trunking with Extended Fabrics, Fabric OS v6.2.0 and later has been enhanced to support interoperability with these distance extension devices.

Fabric OS v6.3.0 allows Extended Fabrics E_ports to operate in VC_RDY mode using either ARB or IDLE primitives as fill words. This allows frame-based Trunking to be supported on Extended Fabrics E-ports even when IDLE primitives are configured for these ports when operating in native VC_RDY mode. Prior to this change, frame-based Trunking was supported only when ARB primitives were used in VC_RDY mode. With Fabric OS v6.2 or later, frame-based Trunking is supported on Extended Fabrics E_ports regardless of whether IDLE or ARB primitives are used when operating in native VC_RDY mode.

Implementation

The portcfglongdistance CLI parameter "VC Translation Link Init" is now overloaded to specify if the long distance link should use IDLE or ARB primitives. By default vc_init is enabled. If vc_init is enabled, the long distance link will use ARB primitives. If vc_init is disabled, the link will use IDLE primitives.

Note:

Buffer to Buffer Credit Recovery feature is not supported on Extended Fabrics E_port when it is configured to use IDLE primitives. The user must disable buffer to buffer credit recovery feature using the command portcfgcreditrecovery and specifying the disable option; otherwise, the link will continuously reset.

The Adaptive Networking SID/DID Traffic Prioritization QoS feature is not supported on Extended Fabrics E_ports when IDLE primitives are configured on these ports. This is because in this mode only data Virtual Channels are available while QoS related virtual channels are not available.

When connecting to an extension device that does not support ARB primitives (such as some TDM products), the following configuration must be used:

portcfgqos -disable <port>
portcfgcreditrecovery –disable <port>
portCfgLongDistance <port> <LD|LD> 0 <distance>

The fabric parameter "fabric.ops.mode.longdistance" is now deprecated and should not be used.

Miscellaneous

- After issuing an *hafailover* command on a Brocade DCX, DCX-4S, or 48000 running FOS v6.3, the console log may generate continuous "Unknown LSR type" messages. The switch must be rebooted to terminate these messages.

Documentation Updates

This section provides information on last-minute additions and corrections to the documentation. The most recent Fabric OS v6.3.0 documentation manuals are available on the Brocade Partner Network: *http://partner.brocade.com/*

Brocade Fabric OS Administrator's Guide (Publication Number 53-1001336-01)

In chapter 1, Performing Basic Configuration Tasks, on page 6, remove the paragraph appearing in Virtual Fabrics and the Ethernet interface and replace it with the following:

> On the Brocade 48000, DCX, and DCX-4S, the single-chassis IP address and subnet mask is assigned to the management Ethernet ports on the front panels of the CPs on the chassis. These addresses allow access to the chassis, more specifically the active CP of the chassis, and not individual logical switches. The IP addresses can also be assigned to each CP individually. This allows for direct communication with a CP including the standby CP. On the Brocade DCX and DCX-4S Backbones, each CP has two management Ethernet ports on its front panel. These two physical ports are bonded together to create a single, logical Ethernet port and it is the logical Ethernet port to which IP addresses are assigned.
>
> IPv4 addresses assigned to individual Virtual Fabrics are assigned to IP-over-FC network interfaces. In Virtual Fabric environments a single chassis can be assigned to multiple fabrics, each of which is logically distinct and separate from one another, each IP-over-FC point of connection to a given chassis needs a separate IPv4 address and prefix in order to be accessible to a management host. For more information on how to set up these IPFC addresses to your Virtual Fabric, refer to chapter 10 Managing Virtual Fabrics.

In chapter 1, Performing Basic Configuration Tasks, on page 8, remove the Example of setting an IP address for a Virtual Fabric in non-interactive mode and add the following note:

> For more information on setting up an IP address for a Virtual Fabric, refer to chapter 10 Managing Virtual Fabrics.

In chapter 10, Managing Virtual Fabrics, on page 205, under the section Management model for logical switches, replace the following sentence:

> There is one common IP address for the hardware that is shared by all of the logical switches in the chassis.

With this the following paragraph:

> You can use one common IP address for the hardware that is shared by all of the logical switches in the chassis and you can set up individual IPv4 addresses for each Virtual Fabric. For a management host to manage a logical switch using the IPFC IP address, it must be physically connected to the Virtual Fabric using an HBA.

On page 218, insert the following section before Configuring a logical switch to use XISLs:

Setting up IP addresses for a Virtual Fabric

Note: IPv6 is not supported on setting the IPFC interface for Virtual Fabrics.

1. Connect to the switch and log in using an account assigned to the admin role.
2. Enter the **ipAddrSet -ls** command.
3. Enter the network information in dotted-decimal notation for the Ethernet IPv4 address with a CIDR prefix.

Example of setting an IP address for a logical switch in a Virtual Fabric with an FID of 123 in non-interactive mode with the CIDR prefix:

```
switch:admin> ipaddrset –ls 123 --add 11.1.2.4/24
```

Removing an IP addresses for a Virtual Fabric

1. Connect to the switch and log in using an account assigned to the admin role.
2. Enter the **ipAddrSet -ls** *FID* - -**delete** command.

```
switch:admin> ipaddrset –ls 123 –delete
```

In chapter 18, Optimizing Fabric Behavior, on page 401, under the section, General rules for TI zones, add the following bullet after the first bullet:

- When an E_port is a member of a TI zone that E_port cannot have its indexed swapped with another port.

Brocade FICON Administrator's Guide (Publication Number 53-1001348-01)

On page 1, replace the Port and Blade swapping paragraphs with the following paragraphs:

> • Port swapping
> Redirects resources from a failed port to a healthy port. The port address is moved to the swapped port so there is no need to change the mainframe I/O Definition File (IODF). Port swapping is available for both FICON and open system environments. Port swapping resolves situations in which the hardware has failed and the channel configurations cannot be changed quickly. Port swapping has minimal or no impact on other switch features.
>
> • Blade swapping
> Blade swapping allows you to swap an entire blade of the same type allowing you to perform a FRU replacement with minimal traffic disruption. The behavior is the same as performing a port swap for each port on the card. This feature is available for both FICON and open system environments. Blade swapping resolves situations in which the hardware has failed and the channel configurations cannot be changed quickly. Blade swapping has minimal or no impact on other switch features.

On page 2, replace the paragraph for the Data Center Fabric Manager (DCFM) with the following paragraph:

> Data Center Fabric Manager is an optional software program that can be used to manage a fabric that supports FICON and FCP devices and traffic. This is the recommended GUI management tool for all FICON environments. For more information on DFCM refer to the manual appropriate for your version: DCFM User's Manual, DCFM User's Manual (Professional Edition), or DCFM User's Manual (Enterprise Edition).

On page 2, under Platforms supporting FICON, replace the first bullet with the following:

> Brocade DCX and DCX-4S Backbones (FC8-16, FC8-32, and FC8-48 port blades, FR4-18i FCIP blade and FC10-6 10 Gbps port blade for ISL connections. The FC8-48 on the Brocade DCX is only supported when Virtual Fabric is implemented.)

On page 3, under Platforms supporting FICON section, the following attention statement is no longer valid and needs to be deleted:

> The FC4-48 and FC8-48 port blades are not supported for connecting to System z environments through FICON channels or through FCP zLinux on System z.

On page 3, under Platforms supporting FICON section, the following replace the last paragraph of the section with the following paragraph:

> In all switches and directors that have FICON devices attached, or where FICON traffic will be carried, the port-based routing policy is required (set aptPolicy option 1).

Blade and Filler Panel Replacement Procedure (Publication No. 53-0001305-02)

On page 5, put the following information after the FCOE1-24 bullet:

FCOE10-24 blade cannot coexist with other AP blades in either the DCX or DCX-4S chassis. If hot-plugged into a chassis with other AP blades, the FCOE10-24 will be faulted and not powered on. If the FCOE10-24 is already installed in the chassis before any other AP blade and the Ethernet service is installed, any other AP blade will be faulted and not powered on if hot-plugged. AP blades include the following:

- FR4-18i
- FA4-18
- FS8-18
- FX8-24

The same scenario applies if a DCX or DCX-4S is powered up. If a FCOE10-24 is the first AP blade detected, no other AP blade will be powered on. Conversely, if another AP blade is the first detected, an FCOE10-24 in the chassis will not be powered on. Port blades will be unaffected.

A maximum of two (2) FCOE10-24 blades can be installed in a DCX or DCX-4S chassis.

On page 5, put the following information after the FX8-24 bullet:

A maximum of two (2) FX8-24 blades can be installed in a DCX or DCX-4S chassis.

The 1 GbE ports can be configured with either optical or copper SFPs and cables. The 10 GbE ports are optical only.

Brocade 7800 Extension Switch Hardware Reference Manual (Publication 53-1001350-01)

All references to "GbE ports ge0 and ge1 (copper)" or "GbE ports ge0 and ge1 (copper only)" should read "GbE ports ge0 and ge1 (fixed copper)." These ports with RJ45 connectors can be used only with copper cables.

References to "GbE optical ports (ge0-ge5)" should read "GbE SFP ports (ge0-ge5)." These ports use SFP connectors and can be configured to use either copper or optical cables.

Under "GbE port specifications" in Appendix A, it should be noted that the 1 GbE ports can take both copper and optical transceivers. The 10 GbE ports are optical only.

Combined Power Supply and Fan Assembly Replacement Procedure (Publication Number 53-1000856-02)

On page 4, add the following to the end of the first paragraph:

For FOS releases 6.1.2 and later, the combined power supply/fan assembly LED shows flashing green when the unit is either powered off or unplugged.

Brocade DCX Backbone Hardware Reference Manual (Publication Number 53-1000685-10)

On page 98, in the Power specifications section, add the following after table 20:

Power supply requirements for blades in the Brocade DCX Backbone chassis

Blades	Type of Blade	DCX @ 110 VAC (Redundant configurations)	DCX @ 200-240 VAC (Redundant configurations)	Comments
FC4-16, FC4-32, FC4-48,	Port Blade	2 power supplies	2 power supplies	

Blades	Type of Blade	DCX @ 110 VAC (Redundant configurations)	DCX @ 200-240 VAC (Redundant configurations)	Comments
FC8-16, FC8-32				
FC10-6, FC8-48	Port Blade	Not supported	2 power supplies	
FR4-18i, FC4-16IP, FA4-18	Intelligent Blade	Not supported	2 power supplies	
FS8-18, FX8-24, FCOE10-24	Intelligent Blade	Not supported	DCX: 2 or 4 power supplies DCX-4S: 2 power supplies	For DCX with 3 or more FS8-18 blades, (2+2) 220 VAC power supplies are required for redundancy For DCX with 1 or 2 FS8-18 blades, (2) 220 VAC power supplies are required for redundancy

Brocade DCX-4S Backbone Hardware Reference Manual (Publication Number 53-1001191-05)

On page 94, in the Power specifications section, add the following after table 20:

Power supply requirements for blades in the Brocade DCX-4S Backbone chassis

Blades	Type of Blade	DCX-4S @ 110 VAC (Redundant configurations)	DCX-4S @ 200-240 VAC (Redundant configurations)	Comments
FC4-16, FC4-32, FC4-48, FC8-16, FC8-32	Port Blade	2 power supplies	2 power supplies	
FC10-6, FC8-48	Port Blade	Not supported	2 power supplies	
FR4-18i, FC4-16IP, FA4-18	Intelligent Blade	Not supported	2 power supplies	
FS8-18, FX8-24, FCOE10-24	Intelligent Blade	Not supported	DCX: 2 or 4 power supplies DCX-4S: 2 power supplies	For DCX-4S, (2) 220 VAC power supplies are required for redundancy for any number of FS8-18 blades For DCX-4S with FS8-18 blades , (1) 220 VAC power supply is required for redundancy.

Brocade 48000 Hardware Reference Manual (Publication Number 53-1000645-06)

On page 76, in the Power specifications section, add the following after table 4:

Power supply requirements for blades in the Brocade 48000 director chassis

Blades	Type of Blade	48K @ 200-240 VAC (Redundant configurations)
FC4-16, FC4-32, FC4-48, FC8-16, FC8-32	Port Blade	2 power supplies
FC10-6, FC8-48	Port Blade	4 power supplies
FR4-18i, FC4-16IP, FA4-18	Intelligent Blade	4 power supplies
FS8-18, FX8-24, FCOE10-24	Intelligent Blade	NA

Fabric OS MIB Reference (Publication Number 53-1001339-01)

On page 164, under the heading "swFCPortFlag 1.3.6.1.4.1.1588.2.1.1.1.6.2.1.38", the two bullet points must be replaced by the following:

- ✓ Physical (0)
- ✓ Virtual (1)

Brocade Fabric OS Command Reference (Publication Number 53-1001337-01)

- On page 915, add the following note to the **userRename** command and associated man page:

  "This command is supported only on the Brocade 3016 and 4010 embedded platforms."

- On page 159, add the following text to the description of the **cryptocfg - -add –LUN** parameter:

  " The maximum number of Tape LUNs that cab be added to a Initiator in a container is 8.".

- On Page 875, change the default value for polling from 10 to 120 seconds. The same change should be accommodated in the **sysmonitor** help page:

-poll Specifies the polling interval in seconds. Valid values are between 10 and 3600 seconds. The default value **is 120 seconds**. This operand is optional.

Defects

Open Defects in Fabric OS v6.3.0

This section lists defects with High or Medium Technical Severity open in Fabric OS v6.3.0 as of 8:00 PM on August 3, 2009. While these defects are still formally "open," they are unlikely to impede Brocade customers in their deployment of Fabric OS v6.3.0 and have been deferred to a later release.

None of these defects have the requisite combination of probability and severity to cause significant concern to Brocade customers.

Note that when a workaround to an issue is available, it is provided; otherwise, no recommended workaround is available at this time.

Defect ID: DEFECT000240850	**Technical Severity**: High	
Summary: With SNMP severity set to 3, the DCX sends out traps when a core blade is inserted, but not when it is removed		
Symptom: Traps not sent out when a core blade is removed and SNMP severity set to 3		
Feature: Field Escalation	**Function**: Management Services	**Probability**: Medium
Found in Release: FOS6.1.0	**Service Request ID**: 361769	

Defect ID: DEFECT000245164	**Technical Severity**: High	
Summary: NPIV devices may are take too long to log into the name server when large number of NPIV devices login simultaneously.		
Symptom: NPIV traffic failed due to NPIV devices are taking too long to log into the name server		
Feature: FC Services	**Function**: NPIV	**Probability**: Low
Found in Release: FOS6.1.2		

Defect ID: DEFECT000245976	**Technical Severity**: High	
Summary: Brocade 5470: Cannot login as USERID after reset to factory default from MM		
Symptom: will not be able to login with userid account under factory reset.		
Workaround: use admin account		
Feature: Embedded	**Function**: Platform	**Probability**: Medium
Found in Release: FOS6.2.0_emb		

Defect ID: DEFECT000247736	**Technical Severity**: High	
Summary: Able to create DCC policy for FCoE ports, which in turn blanked off the port admin page.		
Symptom: Port admin is getting blanked after creating DCC policy for FCoE ports. User is not able to manage the ports.		
Workaround: Delete the DCC policy for FCoE ports		
Feature: WebMgmt	**Function**: Ports Admin	**Probability**: High
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000248076	**Technical Severity**: High	
Summary: Port Admin: Converge/Hybrid mode option should be provided in Edit Configuration dialog for L2 mode.		
Symptom: No option to change to L2 interfaces to Hybrid/Converged		
Feature: WebMgmt	**Function**: Ports Admin	**Probability**: High
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000248140	**Technical Severity**: High	
Summary: Switch Admin: Hybrid/Converged interfaces are not listed under VLANs interface selection list.		
Symptom: User cannot add any converged/Hybrid interfaces to a VLAN via Webtools		
Feature: WebMgmt	**Function**: Switch Admin	**Probability**: High
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000253104	**Technical Severity**: High	
Summary: TI zones will not work with port swapped E_ports		
Symptom: TI zones will not work if the e_ports in the TI zone are port swapped.		
Workaround: E_ports cannot be swapped and be in a TI zone. The fix if this issue happens is to unswap the E_port.		
Feature: FC Services	**Function**: FSPF	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000254576	**Technical Severity**: High	
Summary: Brocade FR4-18i heartbeat dead causes reboot.		
Symptom: Processor on FR4-18i blade reboots while traffic is running over FCIP links. May cause CP failover to take place, only traffic on the FR4-18i blade is disrupted.		
Feature: Field Escalation	**Function**: FCIP Flipper/ASIC	**Probability**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 374539	

Defect ID: DEFECT000255320	**Technical Severity**: High	
Summary: Firmware restore from v6.3.0 to v6.2.0g may cause Ethernet connection to go down on Spirits 5100 in AG mode		
Symptom: ethernet port goes down		
Workaround: manually bring the ethernet port up		
Feature: FIRMWARE DOWNLOAD	**Function**: Firmware Download	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000256466	**Technical Severity**: High	
Summary: NS GE_PT request from1320 devices per switch may get rejected		
Symptom: Host may not show all devices/entries greater than 1320 devices per switch. This is an unlikely scenario in normal user operations.		
Feature: FC Services	**Function**: Name Server	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000256813	**Technical Severity**: High	
Summary: Under rare conditions, supportSave may miss collecting supportsave data from BP and not report failure		
Symptom: Intelligent Blade Processor support data missing from supportsave without appropriate warning message during data collection		
Workaround: Rerun the supportsave		
Feature: RAS	**Function**: FFDC/Supportsave	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000257654	**Technical Severity**: High

Summary: VERIFY error message seen during repeated blade disable-enable tests followed by HA failover		
Symptom: The customer may see the harmless VERIFY error message		
Feature: 8G ASIC Driver	**Function**: Routing	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258016	**Technical Severity**: High	
Summary: Detected termination of lfmd on standby CP while doing HCL on Edge DCX-4S		
Symptom: Under certain contidions during hot code load, lfmd on standby CP may terminated.		
Feature: Logical Fabric	**Function**: LFMD	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258239	**Technical Severity**: High	
Summary: Web Tools shows Expiry Date as NA for Universal Time Slot Based licenses for 7800 and DCX with FX8-24		
Symptom: On the Web Tools GUI, Expiry Date is shown as NA for Universal Time Slot Based licenses		
Workaround: use "licenseshow" CLI command.		
Feature: License	**Function**: License	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258760	**Technical Severity**: High	
Summary: FCoE VLAN: Configuration restore is failing on both CLI and DCFM		
Symptom: FCoE device may not be able to login after reboot.		
Workaround: User need to save the running configuration to startup configuration.		
Feature: CEE-FCOE	**Function**: FCOE Daemon	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259047	**Technical Severity**: High	
Summary: In some cases Supportsave on a DCX with FX8-24 blades may not collect complete support save data for some FCIP modules		
Symptom: No impact to any of the functionlity - some FCIP support information may not be complete.		
Feature: FCIP	**Function**: FCIP CLI	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259648	**Technical Severity**: High	
Summary: Continuously running chassisdisable/enable test for few hours causes termination of nsd		
Symptom: Should not occur under normal maintenance operation; resulted from stress-to-fail testing designed to push the limits of the switch and fabric to point of failure		
Feature: FC Services	**Function**: Name Server	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260375	**Technical Severity**: High	
Summary: Consistent packet loss seen on the secure tunnel.		
Symptom: The customer will see the pacjet is lost consustently when he/she issues the portshow fciptunnel command with "-params" or "-perf" argument,		
Feature: Legacy FCIP (7500/FR4-18i)	**Function**: FCIP CLI	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260475	**Technical Severity**: High	
Summary: Duplicate port RSCNs with Encryption based FR in FCR configurations		
Symptom: Duplicate port RSCNs are detected to virtual initiators/targets when a real initiator or targets change state (disable/enable). This occurs when doing encryption over FCR.		

Feature: FC Services	**Function**: Name Server	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260791	**Technical Severity**: High	
Summary: Port Fencing - Cable pull/insert may fence Ex-ports via ITW's.		
Symptom: EX Port may get fenced after cable pull/insert.		
Feature: Fabric Infrastructure	**Function**: Fabric Watch	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260902	**Technical Severity**: High	
Summary: VE-port/FWconfigure Packet Loss may not generate correct values for VE ports		
Symptom: Custommer cannot monitor the pkt loss for VE ports		
Feature: Fabric Infrastructure	**Function**: Fabric Watch	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260934	**Technical Severity**: High	
Summary: In a large fabric (55 switches with 6K ns entries) when an edge switch merged the fabric observed the nsd crashed on other neigboring switches		
Symptom: NS daemon crash during fabric merge.		
Feature: FC Services	**Function**: Name Server	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261027	**Technical Severity**: High	
Summary: 5000 switch got rebooted due to kernel panic		
Symptom: Unexpected cold reboot of switch		
Feature: 8G Platform Services	**Function**: FOS Kernel Drivers	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261049	**Technical Severity**: High	
Summary: traffic across VE tunnel is not resumed after portdisable and portenable the GE port		
Symptom: I/O not resumed after GE portdisable and portenable		
Workaround: Portdisable and portenable the host port and restart I/O from host.		
Feature: FCIP	**Function**: FCIP I/O	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261105	**Technical Severity**: High	
Summary: IFCC's when expanding TI zone HW trunk with exchange based routing		
Symptom: traffic disruption when adding more trunk links.		
Workaround: Only have one trunk to a given destination		
Feature: 8G Platform Services	**Function**: Routing	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261125	**Technical Severity**: High	
Summary: In a large fabric with 50+ switches, firmware download (HCL) on DCX between two internal SQA builds timed out and failed on the standby CP.		
Symptom: Firmwaredown (HCL) got stuck after downloading on the standby CP.		
Workaround: Run firmwaredownload again.		
Feature: FIRMWARE DOWNLOAD	**Function**: Firmware Download	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261231	**Technical Severity**: High	
Summary: RASLOG flood occurs with internal RASLOG with following weblinkerfcg message on multiple switches in fabric: "weblinkerfcg:1024 attempts to send message type(26) to invalid dest(IPSIPC:1024/0), comm.c, line: 453, comp:weblinker, ltime:2009/07/28-11:39:		
Symptom: There is no direct customer symptom with this defect. Due to excessive internal messages from one of the applications, other important RASLOG messages useful to support personnel may be lost from the limited log space on each switch.		
Feature: WebMgmt	**Function**: Other	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261275	**Technical Severity**: High	
Summary: Kernel panic observed in standby (new active) CP in edge Pluto when nsd terminated in active CP		
Symptom: Will observe Kernel ASSERT in a dual CP system in a rare scenario - When Active CP crashes or goes for a reboot & the Standby becomes new Active CP by undergoing cold recovery (instead of warm recovery) and Kernel ASSERT might be observed (not all times).		
Feature: Logical Fabric	**Function**: Kernel Driver	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261385	**Technical Severity**: High	
Summary: in large fabric setup, non-disruptive upgrade from 6.2.0g to 6.3.0 caused the zoned crash on Brocade 5100 with more than 1M zone database.		
Symptom: non disruptive firmwaredownload from 6.2.0g to 6.3.40 may cause the zoned crash on Brocade 5100 with greater than 1M zone database.		
Workaround: Limit the zone data base size to 1M.		
Feature: FC Services	**Function**: Zoning	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261726	**Technical Severity**: High	
Summary: In VF mode, non-Disruptive firmware download on a 5100 switch with more than 1MB zone DB across multiple logical switches, may cause disruption		
Symptom: Performing hot code load on 5100 with large zone DB may cause port initializing and results the frame drop.		
Workaround: In VF mode, limit the zone DB on 5100 switch to less than 1MB on 5100 switch.		
Feature: FC Services	**Function**: Zoning	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000262164	**Technical Severity**: High	
Summary: Under heavy traffic on 10G tunnel, continous tunnel modification can cause traffic to halt		
Symptom: FCIP I/O traffic disruption during tunnel modification.		
Workaround: slot power off/on the FX8-24 blade.		
Feature: FCIP	**Function**: Compression	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000262167	**Technical Severity**: High	
Summary: I/O fails to across VE link when failover is done on a trunked EX port		
Symptom: Medusa I/O on a windows host connected to storage across a VE link timesout and stops when HDS TrueCopy I/O is running across the same link.		
Feature: Striker/Spike Platform Services	**Function**: VEX	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000262261	**Technical Severity**: High
Summary: traffic cannot run across edge to edge topology when compression and fastwrite are enabled	

Symptom: I/O traffic not able to run		
Feature: FCIP	**Function**: Emulation	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000262333	**Technical Severity**: High	
Summary: SFP power supply values are not displayed correctly after doing a non-disruptive firmware upgrade to 6.3		
Symptom: After firmware upgrade to 6.3.0 SFP voltage may show incorrect values		
Workaround: Executing the same command again to get the correct values.		
Feature: 8G Platform Services	**Function**: FOS Kernel Drivers	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000262419	**Technical Severity**: High	
Summary: Under impairment network configuration with high compressible data may result in tunnel bounce		
Symptom: FCIP tunnel may go up and down in an impairment network configuration with highly compressible data I/O.		
Workaround: tunnel will come up after going down		
Feature: FCIP	**Function**: FCP TCP/IP Stack	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000262516	**Technical Severity**: High	
Summary: tunnel did not come up due to configuration mismatch for tape pipelining, one side shows "Write only" and other side shows "Write/Read"		
Symptom: VE tunnel configuration not coming up.		
Feature: FCIP	**Function**: FCIP CLI	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000207431	**Technical Severity**: Medium	
Summary: Web Tools: zone admin page may not automatically refresh, when a zoning configuration is enabled from McDATA switch.		
Symptom: Web Tools zone admin page may not automatically refresh when there is a change in the zoning database.		
Workaround: Manually the user can refresh the zone admin page.		
Feature: WebMgmt	**Function**: Zone Admin	**Probability**: High
Found in Release: FOS6.1.0		

Defect ID: DEFECT000222339	**Technical Severity**: Medium	
Summary: The command cryptocfg --show -container -all -stat does not display a LUN's updated status when the underlying zoning has changed.		
Symptom: LUN status is not accurately displayed by cryptocfg --show when changes are made to underlying zoning.		
Workaround: Remove the container, in addition to the Host/Target regular zone, when VI/PT communication is not desired.		
Feature: FC Services	**Function**: Name Server	**Probability**: Medium
Found in Release: FOS6.1.1_enc		

Defect ID: DEFECT000222397	**Technical Severity**: Medium	
Summary: When Replicate configuration fails due to some of the parameters, DCFM does not list them in the summary message.		
Symptom: DCFM summary message does not list the parameters failed to download.		
Feature: Mgmt Embedded - CAL	**Function**: Other	**Probability**: Medium
Found in Release: FOS6.1.1_enc		

Defect ID: DEFECT000237453	**Technical Severity**: Medium

Summary: Chassisname is not updated in errshow log		
Symptom: After chassisname changes, errorshow log still shows the original chassis name.		
Feature: Field Escalation	**Function**: OS: Infrastructure	**Probability**: Low
Found in Release: FOS6.1.0		

Defect ID: DEFECT000238383	**Technical Severity**: Medium	
Summary: Multicast data traffic is not forwarded out of snooping mrouter port		
Symptom: Incorrect multicast data traffic forward.		
Feature: CEE-Protocol	**Function**: IGMP Snooping	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000238570	**Technical Severity**: Medium	
Summary: Switch Admin: In Web Tools CEE tab configuration changes are not logged in the log window.		
Symptom: In Web Tools, user will not see the CEE tab configuration changes in the log window.		
Feature: WebMgmt	**Function**: Switch Admin	**Probability**: Medium
Found in Release: FOS6.1.2_cee		

Defect ID: DEFECT000240892	**Technical Severity**: Medium	
Summary: Ports having non-default MTU values are allowed to aggregate to a port-channel.		
Symptom: Once the port is taken out of LAG, the user will have to put the MTU value back.		
Feature: CEE-Protocol	**Function**: NSM	**Probability**: Medium
Found in Release: FOS6.1.2_cee		

Defect ID: DEFECT000241244	**Technical Severity**: Medium	
Summary: On cfgsave with TI zones(not low cost and failover disabled) CLI will hang with raslog RTWR timeout message.		
Symptom: CLI command hangs and RTWR timeout raslog messages appear.		
Workaround: Create TI zone with option failover enabled or specify the TI zone as the Low cost path.		
Feature: Embedded	**Function**: FC Service	**Probability**: Medium
Found in Release: FOS6.2.0_emb		

Defect ID: DEFECT000241833	**Technical Severity**: Medium	
Summary: Web Tools does not launch in https mode after enabling FIPS mode in SUSE 10.		
Symptom: If user enables FIPs in the switch, Web Tools will not launch in SUSE10.		
Workaround: Disable FIPs to launch Web Tools in https mode in SUSE10.		
Feature: CEE-Infrastructure	**Function**: Other	**Probability**: Medium
Found in Release: FOS6.1.2_cee		

Defect ID: DEFECT000245289	**Technical Severity**: Medium	
Summary: LISL is getting disabled due to a 'zone conflict' when there is no conflict		
Symptom: E_Port will segment due to zoning after bringing switch online.		
Workaround: Segmenting port when switch is brought online does not disrupt traffic. As the tester noted, it is easy to recover the ISL.		
Feature: FC Services	**Function**: Zoning	**Probability**: Medium
Found in Release: FOS6.2.0		

Defect ID: DEFECT000245894	**Technical Severity**: Medium	
Summary: vlan classifier config replay should not generate an error message at the interface level		
Symptom: Error message appears after vlan classifier config replay.		
Feature: CEE-Protocol	**Function**: NSM	**Probability**: High

Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000246346	**Technical Severity**: Medium	
Summary: During stress testing, after multiple VLAN configuration changes, logins from the CNA are unsuccessful.		
Symptom: Multiple VLAN configuration changes result in FLOGI being ignored.		
Feature: CEE-FCOE	**Function**: FCOE Daemon	**Probability**: Medium
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000246767	**Technical Severity**: Medium	
Summary: The ipAdEntIfIndex values@ 1.3.6.1.2.1.4.20.1.2 must correspond to ifIndex values at 1.3.6.1.2.1.2.2.1.1		
Symptom: icustomer may see pAdEntIfIndex values wrong		
Feature: Embedded	**Function**: MGMT BACKEND	**Probability**: Low
Found in Release: FOS6.2.0_emb		

Defect ID: DEFECT000246883	**Technical Severity**: Medium	
Summary: Pre-FIP LOGO with Invalid WWNN (non-existent fabric device) is accepted		
Symptom: Incorrect device logout.		
Feature: CEE-FCOE	**Function**: FCOE DRIVER	**Probability**: High
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000246947	**Technical Severity**: Medium	
Summary: In Large Routed envinorment, The hosts from one edge fabric fail to see the targets from another edge fabric after introducing new switch in Backbone with 72 EX ports		
Symptom: Customer may see host-target communication failure for some period of time when new FCR switch is enabled in very large scale setup.		
Feature: 8G FCR	**Function**: FCR Daemon	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000247006	**Technical Severity**: Medium	
Summary: Scheduling across unicast and multicast traffic class not working properly		
Symptom: multicast traffic not sent when mixed with unicast traffic.		
Feature: CEE-SYSTEM SERVICES	**Function**: QOS	**Probability**: Low
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000247391	**Technical Severity**: Medium	
Summary: Fabric Merge/Segmentation indication - 0xfe is not triggered when port enbled/disabled in interopmode 2 for Brocade SMIA project		
Symptom: No indication received - 0xfe for fabric Merge/Segmentation when E-port goes online and offline		
Workaround: We will get port up/down event.		
Feature: Mgmt Embedded - RPCD	**Function**: Other	**Probability**: Low
Found in Release: FOS6.2.0		

Defect ID: DEFECT000247639	**Technical Severity**: Medium	
Summary: Switch responds to FIP FLOGI when SP bit is on and FP bit is off		
Symptom: Incorrect FIP FLOGI response sent by switch.		
Feature: CEE-FCOE	**Function**: FCOE DRIVER	**Probability**: Low
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000248100	**Technical Severity**: Medium
Summary: Show interface switchport command is showing wrong value for acceptable frame type	

Symptom: Incorrect show interface switchport command output.		
Feature: CEE-Protocol	**Function**: NSM	**Probability**: Low
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000248213	**Technical Severity**: Medium	
Summary: FIP FLOGI accepted when host supports only spma		
Symptom: Incorrect FIP FLOGI request is accepted rather than rejected.		
Feature: CEE-FCOE	**Function**: FCOE DRIVER	**Probability**: Low
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000248324	**Technical Severity**: Medium	
Summary: WebTools Does Not Copy Effective Zone to Defined Zone DB During Configupload		
Symptom: Defined Zone DB in WebTools will not be updated during configUpload.		
Workaround: Use CLI.		
Feature: WebMgmt	**Function**: Other	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000248407	**Technical Severity**: Medium	
Summary: From portcmd --ping command allowed to communicate with two different networks		
Symptom: Pings seem to work even if the specifiied ge port in the configuration is not online.		
Workaround: Disable all GE ports except the GE interface that you want to perform the ping over.		
Feature: FCIP	**Function**: FCIP Port	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000248441	**Technical Severity**: Medium	
Summary: After configdefault on a 300 switch, unable to upload its configfile in IM2, post message 'Failed to clear defzone mode' rc -1, err 0, msg		
Symptom: On a standalone 300 switch (also seen on 5300, 5000, 48k) when attempting to restore its config file after issuing a configdefault, customer will receive error message 'Failed to clear defzone mode. rc -1, err0, msg'. It is not until the switch is enabled		
Workaround: After the configdefault is issued, enable the switch, then disable the switch and issue configdown; this will complete the process successfully.		
Feature: Mgmt Embedded - CAL	**Function**: Other	**Probability**: Medium
Found in Release: FOS6.2.0		

Defect ID: DEFECT000248509	**Technical Severity**: Medium	
Summary: In Web Tools;port admin window is displayed as blank, when switch is in disabled state		
Symptom: port admin window is displayed as blank, when switch is in disabled state		
Workaround: User can open the port admin before disabling the switch		
Feature: WebMgmt	**Function**: Ports Admin	**Probability**: Medium
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000248510	**Technical Severity**: Medium	
Summary: [Switch Admin-Security Policies]: “Failed: Cannot start a transaction” error message is displayed when trying to delete the policies in open transaction.		
Symptom: Abort transaction warning message is not displayed and no option to abort the existing transaction and start the new transaction.		
Workaround: Abort transaction from CLI.		
Feature: WebMgmt	**Function**: Security Policies	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000248631	**Technical Severity**: Medium	
Summary: Brocade 8000 switch send lldp system description name as "Fibre Channel Switch"		
Symptom: Incorrect system description name sent by Brocade 8000 as response to LLDP advertise.		
Feature: CEE-LAYER2	**Function**: LLDP	**Probability**: Low
Found in Release: FOS6.1.3_cee		

Defect ID: DEFECT000249984	**Technical Severity**: Medium	
Summary: Zoneadmin:"Bad zone config" message is thrown in the status message window of the zone admin module, when user creates and enables a zone configuration from non primary FCS switch. Proper error message should be thrown in this case.		
Symptom: User may not come to know the reason for the error message "bad zone config".		
Workaround: For refresh issue the Zone Admn dialog need to be relaunched		
Feature: WebMgmt	**Function**: Zone Admin	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000250294	**Technical Severity**: Medium	
Summary: Zone admin: In a fabric, on changing non primary FCS logical switch to primary and on launching zone admin from it, "TI zone" link is in disabled state. Because of this user unable to create TI zone from primary FCS logical switch through webtools.		
Symptom: User will not be able to create TI zones from primary FCS logical switch.		
Workaround: Close and relaunch the TI Zone Dialog		
Feature: WebMgmt	**Function**: Security Policies	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000250576	**Technical Severity**: Medium	
Summary: 7800 and FX8-24: Usability: switch beaconing is not applied to GE ethernet ports.		
Symptom: GE ports do not beacon on the FX8-24 or the 7800		
Feature: Striker/Spike Platform Services	**Function**: Blade Driver	**Probability**: High
Found in Release: FOS6.3.0	**Service Request ID**: 378361	

Defect ID: DEFECT000250989	**Technical Severity**: Medium	
Summary: Switch view: The activity LED for FS8-18 blade Gig E port is not shown in switch view.		
Symptom: Web Tools Switch View does not reflect hardware GigE port status		
Feature: 8G ASIC Driver	**Function**: C2 ASIC driver	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000251934	**Technical Severity**: Medium	
Summary: Switch Admin: For 7500E, IPSec policy feature needs to be disabled		
Symptom: IPSec policy configuration is not disabled on 7500E.		
Workaround: Manually disable IPSec policy.		
Feature: WebMgmt	**Function**: Switch Admin	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000252385	**Technical Severity**: Medium	
Summary: Legacy GE port with Invalid SFP does not always show Mod_Inv - sometimes it is No_Sync.		
Symptom: Invalid SFP shows No_Sync instead of Mod_Inv.		
Feature: Legacy FCIP (7500/FR4-18i)	**Function**: FCIP CP	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000252698	**Technical Severity**: Medium
Summary: Brocade 7500, observed FFDC message for PLAT area when firmware upgrading from v6.2.0e to v6.3	

Symptom: Firmware upgrade from v6.2 to v6.3 on 7500 may fail.		
Feature: Legacy FCIP (7500/FR4-18i)	**Function**: FCIP CP	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000253047	**Technical Severity**: Medium	
Summary: Usability: FOS diagnostics and POST do not illuminate any of the GEx ports		
Symptom: New platforms do not flash the GEx LEDs during initialization. Difficult to determine visually if there is any issue with the LEDs for these ports.		
Feature: Diagnostics	**Function**: Post Diags	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000253083	**Technical Severity**: Medium	
Summary: Slot 1 blade fault with "reason = 5"		
Symptom: Hardware issue in which a port blade is faulted.		
Workaround: Slotpoweroff and slotpoweron clears the fault		
Feature: 8G ASIC Driver	**Function**: C2 ASIC driver	**Probability**: Medium
Found in Release: FOS6.2.0		

Defect ID: DEFECT000253188	**Technical Severity**: Medium	
Summary: SAL OPEN failing after firmware downgrade/upgrade on Brocade 7600		
Symptom: SAL Open calls may fail during firmware upgrade.		
Workaround: Reboot the BP and SAL OPEN works fine.		
Feature: SCIMITAR SAS SERVICES	**Function**: SAL	**Probability**: Medium
Found in Release: FOS6.1.0		

Defect ID: DEFECT000253301	**Technical Severity**: Medium	
Summary: On activating/deleting Ipfilter policy, CAL.XML error message may be thrown in webtools		
Symptom: user may be able to activate/delete ipfilter policy from webtools.		
Workaround: User has to make an additional rule in the WT to add the port ‘80’ and IP address of the system from where the ipfilter policy configuration will be activated.		
Feature: Mgmt Embedded - HTTP	**Function**: Other	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000253658	**Technical Severity**: Medium	
Summary: iSCSI: Virtual target edit operation [changing the lun and enabling CHAP] makes the virtual target to disappear from the show		
Symptom: Customer may see virtual target going offline after an edit operation from Webtool.		
Workaround: Use CLI "iscsicfg --show tgt -v" to display target state properly.		
Feature: WebMgmt	**Function**: iSCSI Support	**Probability**: Low
Found in Release: FOS6.3.0	**Service Request ID**: 384593	

Defect ID: DEFECT000253940	**Technical Severity**: Medium	
Summary: FWD core dumps after doing repeated hafailover.		
Symptom: The customer may see fwd panic after failover.		
Workaround: Uninstall fabric watch license and reboot to disable fabric watch		
Feature: Fabric Infrastructure	**Function**: Fabric Watch	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000254023	**Technical Severity**: Medium	
Summary: Crash in Anvil driver while repeated Slotpower on/off of europa and port blades		
Symptom: Customer may see a crash if repeated slot power on/off is executed.		

Feature: CEE-Infrastructure	**Function**: ANVIL DRIVER	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000254421	**Technical Severity**: Medium	
Summary: Need to block user from manually failback to EE when switch is disabled		
Symptom: None (Customer should not be invoking the failback EE operation manually when switch is disabled)		
Workaround: use nsshow command to check if target is online before manually failback EE.		
Feature: Data Security	**Function**: HA Cluster	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000254640	**Technical Severity**: Medium	
Summary: BMD core file was generated during the overnight HA reboot test on Brocade 7800 with FCIP and regular traffic.		
Symptom: BMD crashed and core file generated.		
Feature: Infrastructure	**Function**: ASP/IOT	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000255427	**Technical Severity**: Medium	
Summary: VE-Port class tab is not displayed in Web Tools (Fabric Watch) but displayed in CLI.		
Symptom: The user won't be able to configure Fabric Watch VE-ports event notifications by using Web Tools.		
Workaround: CLI can be used as the workaround.		
Feature: WebMgmt	**Function**: Web Tools EZ	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000255703	**Technical Severity**: Medium	
Summary: B8000 floods FCP traffic on two ports to CNAs		
Symptom: B8000 sends FCP traffic to wrong CNA.		
Feature: CEE-FCOE	**Function**: FCOE DRIVER	**Probability**: High
Found in Release: FOS6.1.2_cee		

Defect ID: DEFECT000255828	**Technical Severity**: Medium	
Summary: EM computes total power usage using FRU headers instead of an internal power table. This causes multiple AP blades such as FX8-24 and FCOE10-24 in a DCX-4S chassis to not power up when supplied with 120VAC power.		
Symptom: A DCX-4S supplied with only 120VAC power cannot reliably support two FX8-24 or two FCOE10-24 due to increased power consumption calculations made for those blades. This results in multiple intelligent blades not able to power up. The systems need to opera		
Feature: System Controls/EM	**Function**: DCX/DCX-4S	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000255905	**Technical Severity**: Medium	
Summary: In 50+ switch fabric, repeated switchdisable and switchenable operation may reult in SNMP process getting terminated on a core DCX Switch		
Symptom: SNMPd termination and observe FFDC		
Feature: Mgmt Embedded - SNMP	**Function**: Other	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000256169	**Technical Severity**: Medium	
Summary: F Port mode Top talker monitor and EE monitor may not show the counters reliably after the fid change.		
Symptom: TX/RX counter values are not correct in Top Talker monitor and EE monitor are not correct after FID change.		

Workaround: Delete the monitors before FID change. After the change, add the filters back.		
Feature: Performance Monitor	**Function**: EE monitor	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000256446	**Technical Severity**: Medium	
Summary: bottleneck state may be reported on a port after switch disable/enable with no traffic running		
Symptom: Incorrect bottleneck state detected after switchdisable/enable.		
Feature: FC Services	**Function**: Bottleneck Management	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000257274	**Technical Severity**: Medium	
Summary: Configdownload is successful with invalid SNMP v1/v3 trap recipients		
Symptom: Invalid SNMP v1/v3 trap recipients configuration downloaded onto switch and SNMP trap will not be sent.		
Workaround: User could validate the IP address before setting as trap recipient		
Feature: Mgmt Embedded - SNMP	**Function**: Other	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000257628	**Technical Severity**: Medium	
Summary: Able to set keyvault to NCKA (nCipher Key Vault) when the member node is on 6.2.0		
Symptom: Until BES is upgraded to 6.3.0, Host will loose access to LUNs as NCKA (nCipher Key Vault) is only supported in 6.3.0		
Workaround: Upgrade all nodes to 6.3.0 in order to take advantage of NCKA KV (nCipher Key Vault) feature		
Feature: Data Security	**Function**: CLI	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000257636	**Technical Severity**: Medium	
Summary: F-Ports may not get evenly distributed when auto policy is enabled and automapbalance is enabled on F-Port offline		
Symptom: F-Port may not be evenly distributed;		
Workaround: disable/enable any online Nport or enable offline Nport;		
Feature: Access Gateway Services	**Function**: CLI	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000257680	**Technical Severity**: Medium	
Summary: Zoning: when ISL b/w 2 switches is disabled and when safe zone is enabled for 1 switch other with safe zone disabled as well as zone db cleared, on again enabling the ISL, effective config is pushed even though there is no fabric formation b/w them.		
Symptom: Even though two swithes are not in fabric, zone configuration is pushed from one switch to another. End up with segmented E_Port and merged effective configuration when do not have consistent setting for safe zone configuration.		
Workaround: Not needed. User can either enable or disable Safe zoning on both switches.		
Feature: FC Services	**Function**: Zoning	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000257729	**Technical Severity**: Medium	
Summary: In a large fabric with 50+ switches, observed errors: 'queue ns: queue full (miss=1)' when enabling the config file 'cfgenable'		
Symptom: Observed errors: 'queue ns: queue full (miss=1)' when enabling the config file 'cfgenable'		
Feature: FC Services	**Function**: Name Server	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000257790	**Technical Severity**: Medium	
Summary: ifDescr returns invalid slot based description for fcip tunnels configured in 7800		
Symptom: when the user configures more than 1 fcip tunnel in the 7800 switch, the ifDescr returns invalid slot based desription.		
Feature: Mgmt Embedded - SNMP	**Function**: Other	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258090	**Technical Severity**: Medium	
Summary: Usability: Tagged frames received by interface configured as access mode (carrying untagged frames only) causes confused FCoE behavior -- VN device Logged in to Namer Server.		
Symptom: TomCat only support converged mode on TE interface. When TE configured as access mode (untagged), switch still allows CNA to LOGIN to FC Name Server, this confuses customer.		
Feature: CEE-LAYER2	**Function**: L2 SUBSYSTEM	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258154	**Technical Severity**: Medium	
Summary: In 7800, Licenseremove command gets executed for slot based license, which configured to blade slot.		
Symptom: Expected the license not to get removed when configured.		
Feature: License	**Function**: License	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258207	**Technical Severity**: Medium	
Summary: Pathinfo should be blocked when TI zones are configured with failover disabled with exchange based routing		
Symptom: Inconsistent path info may cause confusion		
Workaround: use urouteshow to get the path information		
Feature: Fabric Infrastructure	**Function**: MANAGEMENT SERVER	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258327	**Technical Severity**: Medium	
Summary: Avago 4G SFPs do not consistently show data in sfpshow on B7800 gige ports		
Symptom: 4G Avago Sfp data is not shown on B7800 gige ports		
Feature: Striker/Spike Platform Services	**Function**: Blade Driver	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258330	**Technical Severity**: Medium	
Summary: EX Port Rejected Fabric Binding [FCR-1077] for Edge Fabric in IM3		
Symptom: Fabric binding will not work in 239 domain mode in IM3 with FCR		
Feature: 8G FCR	**Function**: FCR Security	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258430	**Technical Severity**: Medium	
Summary: [Stress to Fail] System verification failed for AP Blade 2 and on second time system verification failed on blade 8 while running ACL test script		
Symptom: Running system verification multiple times could cause Europa blade to fault		
Feature: CEE-PLATFORM	**Function**: Blade Driver	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258570	**Technical Severity**: Medium
Summary: [Stress to Fail Test] After performing repeated "slotpoweron port blades + hafailover" test, under extreme conditions, may cause standby CP to assert	
Symptom: Standby CP reboot	

Feature: High Availability	**Function**: HA infrastructure	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258696	**Technical Severity**: Medium	
Summary: Switch responds with advertisement to solicitaiton with SP bit on		
Symptom: customer will see a response to a solicitation with SP bit on.		
Feature: CEE-FCOE	**Function**: FCOE DRIVER	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258799	**Technical Severity**: Medium	
Summary: user may see bmd assert and failover if the FR4-18i is plugged in and plugged out too quickly		
Symptom: bmd assert caused DCX-4S CP to failover		
Feature: 4G Platform Services	**Function**: Sys-Control/Environment Monitor	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000258991	**Technical Severity**: Medium	
Summary: Domain id in Fabricinfo GUI window and CLI are not same in the IM2		
Symptom: In IM2, the domain id with offset in Fabricinfo and in CLI are inconsistent. Also the Offset in various pages (FabricInfo.jtml, nsinfo.html) inconsistent in different offset modes. Use CLI to view the correct domain offset.		
Workaround: use CLI to view the correct domain offset		
Feature: FC Services	**Function**: Other	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259048	**Technical Severity**: Medium	
Summary: bladeenable all blades + hafailover in a stress to fail test - One of the LISLs in a logical switch may get disabled due to zone conflict		
Symptom: The customer may see one of the lisls in a logical switch gets disabled due to zone conflict with the following warning messages on the CP console: 2009/06/27-23:29:51, [LFM-1005], 197, SLOT 6 | CHASSIS, WARNING, DCX, Logical port 453 disabled with reason		
Workaround: Issue "lfcfg --lislenable" to recover the disabled lisl.		
Feature: FC Services	**Function**: Zoning	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259257	**Technical Severity**: Medium	
Summary: [Stress to Fail Test] Running "chassisdisable; chassisenable, followed by hafailover" continuously may result in VERIFY messages		
Symptom: The customer may see VERIFY messages on the switch console - will not cause any adverse impact to the switch.		
Feature: FC Services	**Function**: Fabric	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259300	**Technical Severity**: Medium	
Summary: frustatuschanged and fruhistory test traps are not sent for a user with role securityadmin though the two traps are enabled in mibcapability.		
Symptom: two traps are not sent when logged in as securityadmin user		
Workaround: User can login via other user roles if need to receive these traps.		
Feature: Mgmt Embedded - SNMP	**Function**: Other	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259410	**Technical Severity**: Medium	
Summary: In large fabric config and large zone database, cfgenable is taking long time with FCIP links..		
Symptom: With large zone config in large fabric, cfgenable will take long time for zone configuration enforcement.		
Feature: Striker/Spike Platform Services	**Function**: Spike Platform Module	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259502	**Technical Severity**: Medium	
Summary: [Stress to Fail] Backend ports of FCOE10-24 blade fails to come up during system verification test		
Symptom: faulty FCoE10-24 blade, while running the system verification in loop		
Workaround: reboot		
Feature: CEE-Infrastructure	**Function**: ANVIL DRIVER	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259505	**Technical Severity**: Medium	
Summary: supportsave failed error message for non-existent blade may be seen on DCX after FR4-18i blade is hot swapped with FX8-24 blade.		
Symptom: supportsave was successful but system tried to pull supportsave for non existent blade (one already removed) and printed the error message.		
Workaround: Reboot the Active CP		
Feature: RAS	**Function**: RAS Log	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259573	**Technical Severity**: Medium	
Summary: Switch Admin:Webtools is not allowing user to set and modify switch name with "."but CLI allows the same in FMS and non-FMS mode.		
Symptom: WT will not allow user to set switch name with "."		
Workaround: Cli can be used as a Work Around.		
Feature: WebMgmt	**Function**: Switch Admin	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259593	**Technical Severity**: Medium	
Summary: VF: Chassis role RBAC behavior mismatch in webtools and CLI for FCR enable/disable		
Symptom: FCR enable/disable can be performed in CLI whereas webtools reports "authorization error" for certain admin roles.		
Workaround: Use CLI to enable/disable FCR for the specific chassis roles of ZoneAdmin, fabricAdmin etc		
Feature: Mgmt Embedded - CAL	**Function**: Other	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259720	**Technical Severity**: Medium	
Summary: swfabricwatch trap not generated for [FW - 1133,1134,1135 threshhold reached logs] on 8000		
Symptom: swfabricwatch trap not generated for corresponding "threshhold reached" LOG messages		
Feature: Mgmt Embedded - SNMP	**Function**: Other	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259729	**Technical Severity**: Medium	
Summary: Unable to ReCreate Frame Redirect Zone After Disabling McDATA Default Zone		
Symptom: Failure to create Frame Redirect Zone After Disabling McDATA Default Zone		
Workaround: Clear the defined zone database and recreate the FR zone again.		
Feature: FC Services	**Function**: Zoning	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259855	**Technical Severity**: Medium	
Summary: When FCoE max login has been reached, need to change debug log to customer visible RASLOG, to indicate FCoE login has been reached.		
Symptom: Customer may not know the reason for login reject in case FCoE login limit has been reached.		
Feature: CEE-FCOE	**Function**: FCOE DRIVER	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259924	**Technical Severity**: Medium	
Summary: FCoE login: "Configuration table is null" error pops up on adding a group when fabric merge is in progress		
Symptom: error message does not inform the user of the exact failure i.e. failed due to fabric merge progress.		
Feature: CEE-MANAGEABILITY	**Function**: CAL INTERFACE	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259951	**Technical Severity**: Medium	
Summary: Detected termination of process 0.weblinker.fcg:5110		
Symptom: Termination of Weblinker after enabling port fencing for all E ports and F ports on the SAN when using DCFM.		
Feature: Mgmt Embedded - HTTP	**Function**: Other	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259959	**Technical Severity**: Medium	
Summary: switch stuck in 'merge in progress' even though there's no transaction		
Symptom: FCoE Login management operations can't be performed, unless the switch is disabled, until then FCoE Fabric Merge is struck.		
Workaround: Workaround to come out of the deadlock: 1. break the fabric, by bringing down the ISL 2. both switches will merge and generation number will be rectified (made consistent) with configuration 3. Bring the ISL back up and merge will go through Or 1. do a sw		
Feature: CEE-FCOE	**Function**: FCOE Daemon	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000259966	**Technical Severity**: Medium	
Summary: Resources are shown to be available for TopTalker fabmode when the max are already used in other FIDs		
Symptom: Incorrect resource information shown for fabmode TopTalker.		
Workaround: Execute "perfresourceshow --fabmodeRes" on all logical partitions.		
Feature: Performance Monitor	**Function**: Top Talker	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260208	**Technical Severity**: Medium	
Summary: Following a slotpoweroff and slotpoweron a FCOE10-24 user may see RASLOG messages until the blade is fully initialized		
Symptom: RASLOG messages floods the console after slotpoweroff/slotpower on FCOE10-24 blades. The messages eventually stops after the blade gets fully initialized.		
Feature: Performance Monitor	**Function**: ASIC Stats	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260245	**Technical Severity**: Medium	
Summary: configdownload of 6.2.0 config file with max tested CTCs failed on 6.3.0 EG		
Symptom: The configdownload fails when downloading 728 containers.		
Workaround: Do not download configuration with more than 700 containers.		
Feature: Data Security	**Function**: Infrastructure	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260358	**Technical Severity**: Medium	
Summary: crypto container is not shown in active state after adding and remove luns		
Symptom: User might lose container info if the num of LUNs is larger than 8 is specified via LUN range for tape LUN..		
Workaround: No		
Feature: Data Security	**Function**: Tape Encryption	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260370	**Technical Severity**: Medium	
Summary: Under certain conditions, after "fcoe --disable <port>" followed by "fcoe --enable <port>", the CNA port WWN appears on "fcoe --loginshow" but may not appear in nsshow		
Symptom: nsshow does not report FCoE device after fcoe port disable/enable where as fcoe --loginshow.		
Workaround: Customer can use "fcoe --loginshow" to display the FCoE logins		
Feature: FC Services	**Function**: Name Server	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260405	**Technical Severity**: Medium	
Summary: Invalid CAL response for CAL class Brocade_SwitchFCPortStats while EnumerateSelectedInstances operation for virtual port .		
Symptom: Brocade_SwitchFCPortStats - EnumerateSelectedInstances operation frequently used by customers. if the virtual port has invalid CAL property, haserror propert y sets to 1. So SMIAgent will not return the instances for the entire logical context.		
Feature: Mgmt Embedded - CAL	**Function**: VF	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260450	**Technical Severity**: Medium	
Summary: Portadmin GUI Window: After removing a blade other than FCoE10-24 from the chassis, CEE tab disappears		
Symptom: User cannot use CEE interfaces even though FCoE10-24 is present in the chassis after removing any other blade.		
Workaround: Close the existing port admin window and open a new port admin window		
Feature: WebMgmt	**Function**: Ports Admin	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260538	**Technical Severity**: Medium	
Summary: Switch Admin: Trunking tab does not display the ICL's trunk Link where as CLI trunkshow shows even if license is not installed		
Symptom: GUI will not show trunking information if trunking license is not installed		
Feature: Mgmt Embedded - CAL	**Function**: Other	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260549	**Technical Severity**: Medium	
Summary: License Consumed Slots is zero after config download		
Symptom: After config download license consumed shows as 0 for some of the slot based licenses		
Feature: License	**Function**: License	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260636	**Technical Severity**: Medium
Summary: Frustatuschanged trap with frustatus as faulty is not generated when an FRU goes faulty.	
Symptom: Customer will not be informed with a trap when an FRU goes to Faulty state.	
Workaround: No	

Feature: Mgmt Embedded - SNMP	**Function**: Other	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260672	**Technical Severity**: Medium	
Summary: [Stress-to-Fail] For long running power cycle test, once noticed faulty 21 on FX8-24 blade		
Symptom: The customer may see the Striker blade gets faulted due to boot failure:		
Workaround: Slotpoweroff/on the faulty Striker balde.		
Feature: Striker/Spike Platform Services	**Function**: BFOS	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260687	**Technical Severity**: Medium	
Summary: CUP fails to respond to initial Selective Reset after Reset Allegiance is invoked from WebTools		
Symptom: May cause an IFCC upon initial host connection attempt to CUP after RA has been invoked from WebTools		
Workaround: Request succeeds upon retry by the host after operator or host program initaitive		
Feature: FICON	**Function**: Ficud	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260702	**Technical Severity**: Medium	
Summary: Brocade_HBAFCPortStats CAL class allways returning empty response even if HBA is attached to the switch.		
Symptom: Brocade_HBAFCPortStats CAL queries don't return values for some queries		
Feature: Mgmt Embedded - CAL	**Function**: Other	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260832	**Technical Severity**: Medium	
Summary: Unable to delete ACL in CLI		
Symptom: Users are unable to delete ACL for a port channel		
Workaround: Assign the ACL to an empty port-channel Then remove the ACL from the port-channel Then delete the ACL		
Feature: CEE-SYSTEM SERVICES	**Function**: ACL	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260924	**Technical Severity**: Medium	
Summary: fabric mode TT stops reporting flow after firmware upgrade		
Symptom: TT flows not available after firmware upgrade		
Workaround: Reinstall the TT after firmware upgrade		
Feature: Performance Monitor	**Function**: Top Talker	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000260994	**Technical Severity**: Medium	
Summary: Late response in EZManager while performing the custom zone operation with HBA and Target (L port with 33 devices)		
Symptom: Late responseness observed in EZManager when performing the zone edit operation and also from changing the view from zone view to device connection display		
Workaround: Zoning works, but with high device or port count it can take a long time.		
Feature: WebMgmt	**Function**: Web Tools EZ	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261038	**Technical Severity**: Medium
Summary: On certain target devices, Portshow displays "None" on PWWN field while nsshow and switch displays PWWN on the port	

Symptom: portshow display "None" on PWWN		
Workaround: use nsshow or switch to get PWWN of the device.		
Feature: 8G Platform Services	**Function**: FOS Kernel Drivers	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261058	**Technical Severity**: Medium	
Summary: [Stress to Fail Testing] zoned crashes after repeatedly deleting partitions and creating partitions for a total of about 150 creations and 150 deletions.		
Symptom: Zoned Crash and switch does not repond to lscfg commands.		
Feature: Infrastructure	**Function**: LS create	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261081	**Technical Severity**: Medium	
Summary: Zone admin: Bad zone config error message is thrown, when ICL ports displayed in the zone admin module are included in the TI zone while creating it, for an IM2 logical switch.		
Symptom: When user icludes the ICL ports while creating TI zones for an IM2 switch, bad zone config messsage is thrown in the status message window, due to which user will not be able to sort out the cause of the message.		
Workaround: We should avoid taking ICL ports into account while creating TI zoes.		
Feature: WebMgmt	**Function**: Zone Admin	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261116	**Technical Severity**: Medium	
Summary: On 4900 , when HCL fwdl from 6.3 to 6.2.0g, observe termination of raslogd process		
Symptom: on 4900, when HCL fwdl from 6.3 to 6.2.0g, may see "Detected termination of raslogd"		
Feature: RAS	**Function**: LOG	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261117	**Technical Severity**: Medium	
Summary: Prohibit Dynamic bit is not set in Port Descriptors when a port is prohibited only from itself		
Symptom: Prohibit state reported to host applications incorrectly when a port is prohibited only from itself		
Feature: FICON	**Function**: Ficud	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261132	**Technical Severity**: Medium	
Summary: In a large fabric with more than 56 switches, edge DCX panic due to termination of msd during fabric reconfiguration.		
Symptom: Switch reboot.		
Feature: Fabric Infrastructure	**Function**: MANAGEMENT SERVER	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261240	**Technical Severity**: Medium	
Summary: After running failover/failback test for 10 hours, FCoE10-24 hit faulty 21		
Symptom: faulty blade resulted from stree to fail testing		
Workaround: slotpoweroff/on		
Feature: CEE-PLATFORM	**Function**: Blade Driver	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261261	**Technical Severity**: Medium	
Summary: VE-port/FWconfigure utilization is above 100%		
Symptom: custommer will get the RAS log showing more then 100% utilization .		
Feature: Fabric Infrastructure	**Function**: Fabric Watch	**Probability**: High

Found in Release: FOS6.3.0	**Service Request ID**: 393779	

Defect ID: DEFECT000261286	**Technical Severity**: Medium	
Summary: [stress to fail test] The lisl ports on a logical switch stuck may get stuck in G-Port state after the test "repeated switchdisable/enable the logical switch, follwoed by hafailover".		
Symptom: The lisl ports on the logical swith do not come up online, stuck at G-port state.		
Workaround: switchdisable/enable the affected logical switch. lislenable should work		
Feature: Logical Fabric	**Function**: LFMD	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261366	**Technical Severity**: Medium	
Summary: RTT counters are not displayed correctly on idle switch setup		
Symptom: Under certain configuration RTT values are not displayed correctly for FCIP tunnels		
Workaround: Execute ping on VE link to get correct RTT values.		
Feature: FCIP	**Function**: FCP TCP/IP Stack	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261373	**Technical Severity**: Medium	
Summary: The crypto device container is not active after configdownload		
Symptom: After configdownload, new crypto device configuration is not pushed to blade.		
Workaround: Issue disableEE/enableEE.		
Feature: Data Security	**Function**: Tape Encryption	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261374	**Technical Severity**: Medium	
Summary: In a large routed fabric, frame loss observed when running HCL from v6.2.0g to v6.3.0 internal SQA build on 7500 w/ 1MB db zone		
Symptom: Frame loss may be observed during HCL.		
Workaround: No		
Feature: 4G ASIC Driver	**Function**: ASIC Driver	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261440	**Technical Severity**: Medium	
Summary: WT session got expired before the session time out value and also OutOfMemoryError Exception thrown when launched from DCFM		
Symptom: Users may see webtools session getting terminated before the session timeout values.		
Workaround: Close the WT and Open again from DCFM.		
Feature: WebMgmt	**Function**: Switch Explorer/Switch View	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261476	**Technical Severity**: Medium	
Summary: supportsave shows duplicate cmds output for same LS switches		
Symptom: Duplicate command output shown for the same Logical switch shown in supportSave.		
Feature: Logical Fabric	**Function**: Fabric	**Probability**: Low
Found in Release: FOS6.2.0		

Defect ID: DEFECT000261499	**Technical Severity**: Medium	
Summary: When using DCFM Port Indexes in TI Zones which are greater than 255 get changed in ActiveTIZone, but remains the same in Defined TI Zones		
Symptom: When creating and activating TI zones from DCFM, if the port indexes are greater than 255, they are not reflected in the defined zone DB.		

Feature: FC Services	**Function**: Zoning	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261595	**Technical Severity**: Medium	
Summary: fcipLinkRemfcipEntityWWN of fcipLinkTable do not return the Remote WWN configured		
Symptom: The user will not get the remote WWN configured for the fcip tunnel when queried through SNMP		
Feature: Mgmt Embedded - SNMP	**Function**: Other	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261640	**Technical Severity**: Medium	
Summary: After firmware upgrade on DCX from v6.2.0e to v6.3.0_beta1, followed by switchdisable, policy change, and enabling some links, RTWRs were observed.		
Symptom: RTWRs after firmware upgrade followed by some disruptive actions actions.		
Feature: 8G ASIC Driver	**Function**: C2 ASIC driver	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261654	**Technical Severity**: Medium	
Summary: During non-disruptive upgrade of two 6.3.0 development builds on 5300 switch, "Software 'verify' error detected seen on console.		
Symptom: Software verify error when upgrading between two firmware versions.		
Feature: 8G Platform Services	**Function**: PID management	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261661	**Technical Severity**: Medium	
Summary: BR-7500 non-distruptive firmware upgrade from v6.2.0g to v6.3.0 causes the switch to go Faulty 21		
Symptom: May notice faulty 21 on non-disruptive upgrade		
Feature: Legacy FCIP (7500/FR4-18i)	**Function**: FCIP CLI	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261662	**Technical Severity**: Medium	
Summary: [Stress-to-fail] Circuit-0 shows InProg after changing 10G tunnel to compression enable in repeated manner		
Symptom: FCIP circuits stay at In-progress state after series for FCIP tunnel parameter changes		
Workaround: slotpower off followed by slotpower on usually clear this problem		
Feature: FCIP	**Function**: FCIP Port	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261663	**Technical Severity**: Medium	
Summary: Clean up printf "ssnGet: Unable to get WWN info.sw=0 rc=-5"		
Symptom: following message may pop up to console while firmware committing. ssnGet: Unable to get WWN info.sw=0 rc=-5		
Feature: System Controls/EM	**Function**: DCX/DCX-4S	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261678	**Technical Severity**: Medium	
Summary: Inconsistency in encryption HACluster status, following an HA failover on a DCX-4S		
Symptom: The container failover per fabric change (ISL down or switch disable) will be failed back after HA CP failover.		
Workaround: portenable (ISL) or switchenable to fix the fabric.		
Feature: Data Security	**Function**: HA Cluster	**Probability**: Medium
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261707	**Technical Severity**: Medium	
Summary: [SNMP] Observed memory leak in 6.3 when multiple simultaneous MIB WALK is performed.		
Symptom: Small memory leak may happen when multiple simultaneous MIB WALK query is performed.		
Feature: Mgmt Embedded - SNMP	**Function**: Other	**Probability**: Low
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261754	**Technical Severity**: Medium	
Summary: Observing ffdc data files during continuous interface flap		
Symptom: interface flapping/ bad cable shows to many ras log messages		
Workaround: shut down the port and replace the faulty cable and enable the port		
Feature: CEE-Infrastructure	**Function**: ANVIL DRIVER	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000261978	**Technical Severity**: Medium	
Summary: Retransmit and Out of order counters in portshow fciptunnel output do not show correct values.		
Symptom: portshow fciptunnel dose not show correct counter value		
Feature: FCIP	**Function**: FCIP CLI	**Probability**: High
Found in Release: FOS6.3.0		

Defect ID: DEFECT000262805	**Technical Severity**: Medium	
Summary: In a large routed fabric configuration the command Supportsave may take up to 1 hour to complete on a DCX with 128 EX ports		
Symptom: Supportsave in a large FCR configuration may take up to an hour to complete		
Feature: RAS	**Function**: FFDC/Supportsave	**Probability**: Medium
Found in Release: FOS6.3.0		

Closed with Code Change in Fabric OS v6.3.0

This section lists the defects with Critical, High and Medium Technical Severity closed with a code change as of August 20, 2009 in Fabric OS v6.3.0

Defect ID: DEFECT000259050	**Technical Severity**: Critical
Summary: FICON emulation failing.	
Symptom: MVS IOS444I error messages when trying to vary paths online to extended DASD devices.	
Workaround: deactivate all paths that utilize the same device ports and reactivate at the same time. Disable FICON XRC emulation	
Feature: Field Escalation	**Function**: FCIP
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 389217

Defect ID: DEFECT000242682	**Technical Severity**: High
Summary: Pending Merge:VTs/VIs disappear when rebooting the Brocde Encryption Switch that has all the physical connections to targets and initiators.	
Symptom: VIs/VTs may disappear when rebooting the Brocde Encryption Switch.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 368783

Defect ID: DEFECT000223155	**Technical Severity**: High
Summary: As a result of creating a cryptoLUN, a host can use a target even though they are not in the same zone.	
Symptom: Re-direction zoning could enable acess to a target for which the initiator (host) is not zoned to. When a frame redirect zone exists for a Host and Target, and the Host is zoned with anything, but not zoned with the Target, it is possible for the Host to communicate with the redirected Target.	
Workaround: If a Host and Target are no longer zoned together, then the user should also remove the associated container (i.e., frame redirect zone) for this Host/Target pair. This will prevent Host/Target communication for this pair via the container (i.e. redirection).	
Feature: FC Services	**Function**: Zoning
Probability: High	**Risk of Fix**: High
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000226389	**Technical Severity**: High
Summary: FICUD panic and reboot on DCX occurs after executing host command to display the switch.	
Symptom: FICON daemon crash and followed by reboot,	
Feature: FC Services	**Function**: FICON
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000225717	**Technical Severity**: High
Summary: Applications that write to a LUN that is being rekeyed may see I/O errors	
Symptom: When a rekeying operation is underway on a LUN, applications that access that LUN may indicate errors when they write to that LUN.	
Workaround: When performing a rekeying operation on the LUN, it is recommended that the customer quiesce access to that LUN.	
Feature: Data Security	**Function**: Re-key
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.1_enc	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000223242	**Technical Severity**: High
Summary: Rekey of LUNs hosted through active/passive ports will not complete if started on the passive path.	
Symptom: When both paths of an active/passive array are hosted on a single Brocade Encryption Switch, the rekeying will not complete if the rekey operation is started on a passive path of the array.	
Feature: Data Security	**Function**: Re-key
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000235922	**Technical Severity**: High
Summary: With McData default zone enabled, when numerious NPIV devices in the default zone come online at the same instant, some devices were missing from portcam table	
Symptom: Unable to communicate with a device in the default zone	
Workaround: This is due to mulitiple devices login simultaneously. So apply portdisable to all ports connected to the devices and apply portenable sequentially. This will resolve the issue. NPIV devices in IM2 default zone is not supported. NPIV devices should be part of the active zone configuration.	
Feature: FC Services	**Function**: Name Server
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000234361	**Technical Severity**: High
Summary: Fabric mode TT does not show all the flows when device port is disabled and enabled back after TT monitor installation	
Symptom: When installing Fabricmode TT on an edge switch that has no F_Ports present, if an F_Port subsequently comes online no flows are added on the edge switch.	
Feature: Fabric Infrastructure	**Function**: Advanced Performance Monitor
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000233248	**Technical Severity**: High
Summary: If using WebTools to perform cfgsaveactivetodefined with a zone file close to the maximum size in an interop mode fabric with more than 20 switches, the weblinker process may get terminated.	
Symptom: WebTools session gets invalidated.	
Feature: WebMgmt	**Function**: Zone Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000234113	**Technical Severity**: High
Summary: In a mixed fabric of VF enabled and non-VF switches, a VF enabled switch may not be able to detect the FID conflict with the other VF enabled switch, if there are non-VF switches in the path interconnecting the VF enabled switches	
Symptom: Logical switches with different FID may be allowed to participate in the same fabric.	
Workaround: Follow the raslog errors FABR-1044 or FABR-1043 displayed by switches in the fabric to identify the offending switch and resolve the FID conflict.	
Feature: FC Services	**Function**: Fabric
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237552	**Technical Severity**: High
Summary: IPC message from module CALD to Management Server is dropped by Management server. This causes CALD module to wait indefinitely	
Symptom: User may experience problem with management application while traffic still passes without any problem. Console will log cald queue full message.	

Closed with Code Change in Fabric OS v6.3.0

Feature: Field Escalation	**Function**: Management Services
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 355965

Defect ID: DEFECT000237786	**Technical Severity**: High
Summary: Sometimes config file downloaded may cause the configdownload command to crash.	
Symptom: Customer may notice configdownload utility crash during the configuration download.	
Workaround: Disable the switch and then attempt configdownload.	
Feature: Infrastructure	**Function**: Config Download
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237849	**Technical Severity**: High
Summary: After changing FID on 5100 and then performing switchenable, switchdisable, observed ASSERT	
Symptom: ASSERT may occur when changing FID of a switch, doing swichenable immediately followed by switchdisable.	
Workaround: Do no disable a switch immediately after enabling, if it's coming up with a new FID for the first time. Wait for sometime (at least 10 s) before issuing switch disable.	
Feature: Logical Fabric	**Function**: Kernel Driver
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237564	**Technical Severity**: High
Summary: HA cluster member node, Brocade Encryption Switch (BES) faults as a result of slot powercycling its HA cluster peer (FS8-18)	
Symptom: Fault reported by Brocade Encryption Switch	
Workaround: Reboot the BES	
Feature: Data Security	**Function**: Tape Encryption
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235465	**Technical Severity**: High
Summary: IPL file is not getting updated, when a PDCM matrix is activated using Web Tools with "Active=Save Mode" checked.	
Symptom: The active configuration and the IPL file would not match when the configuration file is activated using Web Tools with "Active=Save Mode" checked.	
Feature: FICON	**Function**: Ficud
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237868	**Technical Severity**: High
Summary: Fabric Watch failed to initialize on fully populated DCX.	
Symptom: During HA recovery, management application reports switch health status as Marginal/Down. Traffic is not impacted, but DCFM call home will not be initiated.	
Feature: Field Escalation	**Function**: Management Services
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000237420	**Technical Severity**: High
Summary: Memory leak when querying connUnitPortFCId in Access Gateway (AG) mode and also when querying FcFeModuleName.	

Closed with Code Change in Fabric OS v6.3.0

Symptom: Switch panic due to "out of memory" trigger during hafailover/hareboot.	
Workaround: Avoid querying FcFeModuleName or (connUnitPortFCId in AG mode) MIB to avoid memory leak.	
Feature: Field Escalation	**Function**: Panic / OOM
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS5.3.1	**Service Request ID**: 348199

Defect ID: DEFECT000226808	**Technical Severity**: High
Summary: Occasionally during the firmware upgrade process, the 1250 processor is still rebooting when the FCR routes are being processed, resulting in missing FCR routes and an inability to route traffic across VEX ports.	
Symptom: I/O running through VEX ports or devices imported/exported via VEX ports will be dropped after firmware upgrade.	
Feature: Field Escalation	**Function**: FCIP
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.0.0	

Defect ID: DEFECT000235578	**Technical Severity**: High
Summary: CUP Port present CU-Busy on one path and never sending CU-End to clear busy	
Symptom: CUP can fail to send CUE when SAK is expecting it. A Logical Path will quit sending chains, if it does not receive a CUE, when expecting it. The CUP is still responsive, but the host is waiting for the CUE.	
Feature: FICON	**Function**: Ficud
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238444	**Technical Severity**: High
Summary: In B2E routed environment, when user executes Pathinfo command in BB querying for xlate domain, the switch may panic.	
Symptom: User may observe "Detected termination of fspfd0:1013 (1) " after executing pathinfo command.	
Feature: FC Services	**Function**: FSPF
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237701	**Technical Severity**: High
Summary: Observed kernel panic on a DCX in RTE module.	
Symptom: DCX will panic and hafailover during supportsave in rare occasions.	
Feature: Field Escalation	**Function**: FC Layer 2 Routing
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1	**Service Request ID**: 0

Defect ID: DEFECT000239111	**Technical Severity**: High
Summary: Switches leaking memory slowly over extended period while being managed by DCFM.	
Symptom: Switches will loose free memory slowly when being monitored by DCFM over an uninterrupted lengthy period of time.	
Feature: Mgmt Embedded - SNMP	**Function**: Switch Admin
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239029	**Technical Severity**: High
Summary: 0.weblinker.fcg:5101 during codeload from build 38 to RC1	
Symptom: May see weblinker process termination when doing firmware upgrade.	
Feature: WebMgmt	**Function**: Firmware Download

Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239264	**Technical Severity**: High
Summary: Brocade 5410-HCL from FOS v6.2.0 to v6.2.0a causes internal Fports become No-Sync, and E-Ports become In-Sync.	
Symptom: On Non distruptive upgrade from FOS 6.2.0 to FOS 6.2.0a, internal F-ports will become No-Sync and E-ports will be in In-Sync.	
Feature: FC Services	**Function**: Fabric
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237993	**Technical Severity**: High
Summary: Switchdisabling all switches in the fabric causing all 48K chassis switches 'Out of Memory: Killed process 2337 (iswitchd)'.	
Symptom: In a large fabric with 50+ switches, when all the switches are disabled, the 48000 switch in the fabric may see out of memory messages.	
Feature: 8G FCR	**Function**: FCR Daemon
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238250	**Technical Severity**: High
Summary: License problem observed after configdownload and QoS license was checked for 4G platforms at CLI.	
Symptom: License database can be corrupted after configdonwload and can not be added back. 4G platform can disable QoS but cannot enable QoS without license.	
Feature: Field Escalation	**Function**: OS: Infrastructure
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000239668	**Technical Severity**: High
Summary: Unable to configure port(s) using configdownload	
Symptom: Unable to configure ports using configdownload if the ports are not not physically present in the switch.	
Feature: Infrastructure	**Function**: Config Download
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239541	**Technical Severity**: High
Summary: FICUD and weblinker crash while running v6.2.0b_rc1_bld01	
Symptom: IO may get stopped until the switch comes back online.	
Feature: FICON	**Function**: Ficud
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239839	**Technical Severity**: High
Summary: Portcams's and NS zonemembership data are missing for hard-zoned ports	
Symptom: Lack of connectivity between hard-zoned ports residing in common zones.	
Feature: FC Services	**Function**: Name Server
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000239713	**Technical Severity**: High
Summary: One of the mace switches stuck at "Initialize EE" after upgrading to 6.2.0 firmware.	
Symptom: Encryption function will not be enabled.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 364081

Defect ID: DEFECT000239038	**Technical Severity**: High
Summary: Software was not enforcing a mandatory switch disable before configuring the backbone Fabric ID.	
Symptom: Changing backbone Fabric ID is disruptive. Enforce switchdisable before allow it.	
Feature: Field Escalation	**Function**: FCR
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000239969	**Technical Severity**: High
Summary: Failover when LS trans incomplete Observed and Panic. Ficud terminated detected when FID is created	
Symptom: Initiating a HA failover before Logical Fabric related trasaction is completed may result in FICU process getting terminated.	
Workaround: Don't use logical switches	
Feature: FICON	**Function**: Ficud
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000240277	**Technical Severity**: High
Summary: ISMIC - When a reset of a HP-VC is done via the OA, the vcfcadm_ user password is NOT generated as seen from the console log, thereby causing a NO COMM on the VCM	
Symptom: Sometimes when a RESET of a HP-VC is done via the OA, the vcfcadm_ passwor may not get generated.	
Workaround: Power off and Power on the Switch via OA will fix the problem But the above workaround didnot work on a different switch	
Feature: Embedded	**Function**: Platform
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000240247	**Technical Severity**: High
Summary: Swapping Blades FC8-32 and FC8-48 in DCX-4S initializes both to a Faulty-51 state	
Symptom: Physically swapping FC8-32 blade and FC8-48 blade in the same DCX-4S chassis is initializing both blades into a Faulty-51 state.	
Workaround: Workarounds: 1. Slotpoweroff and slotpoweron always recovers the blade(s). 2. DCX-4S reboots also recover the blade(s).	
Feature: 8G ASIC Driver	**Function**: C2 ASIC driver
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236972	**Technical Severity**: High
Summary: supportsave: supportsave slot transfer failed for (FS8-18) blade after FAULTY (79) code	
Symptom: BP SS will not be collected	
Feature: RAS	**Function**: FFDC/Supportsave
Probability: Low	**Risk of Fix**: High

Found in Release: FOS6.2.0	

Defect ID: DEFECT000236118	**Technical Severity**: High
Summary: 8Gb storage device failed to detect 8Gb speed when port was locked as a G_port.	
Symptom: Certain 8Gb storage arrays are connecting to Brocade 8Gb switches as 4Gb devices when the switch port is locked as a G_port.	
Workaround: Instead of relying on auto-negotiation, lock the switch port at 8Gb.	
Feature: Field Escalation	**Function**: ASIC Driver
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 354645

Defect ID: DEFECT000238843	**Technical Severity**: High
Summary: Invalid CAL Response for GetInstance operation on Brocade_Account CAL class in 48k from Brocade SMIA Project.	
Symptom: One of specific CAL query on a 48000 switch may return invalid response	
Feature: Mgmt Embedded - CAL	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241236	**Technical Severity**: High
Summary: Pending Merge: While doing first time encryption to a LUN with more than 1 initiator active at the same time, rekey operations slowed signficantly.	
Symptom: Host applications can experience delays in the completion of their I/O requests.	
Workaround: 1. Disable the target ports. 2. Remove one initiator from the container. 3. Start the rekey. 4. Add the initiator back.	
Feature: Data Security	**Function**: Re-key
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000240916	**Technical Severity**: High
Summary: Fabric Change Event(161) is not delievered from FOS to Brocade SMIA if proxy Switch is disabled.	
Symptom: None.	
Feature: Mgmt Embedded - RPCD	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.0.1	

Defect ID: DEFECT000240927	**Technical Severity**: High
Summary: Data encryption backup jobs failing due to Brocade DCX crash and reboot when Top Talkers are enabled with Frame Redirection	
Symptom: Encrypted tape backup job fails when Brocade DCX reboots.	
Workaround: Do not enable Top Talkers concurrently with functionality that is using frame redirection.	
Feature: FC Services	**Function**: Zoning
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241101	**Technical Severity**: High
Summary: In FCR fabric, switch transmitting Eport traffic to F_Port with EOFni when there is no ISL placed lower than a Fport	
Symptom: F_Port runs out of credit and gots reset due to interswitch RSCN desingated to translate domain from backbone switch is routed to lowest F ports by mistake.	
Workaround: Add an ISL on the user port lower than the lowest Fport on switch.	

Closed with Code Change in Fabric OS v6.3.0

Feature: Field Escalation	**Function**: ASIC Driver
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 366207

Defect ID: DEFECT000239731	**Technical Severity**: High
Summary: Multiple repetitions of port enable/disable might result in a lost route in a Brocade 48000 configuration.	
Symptom: The plogi accept from the storage is lost and the storage device reports the error. This possibility occurs only on the uppermost ports of the 48-port blades installed in a Brocade 48000.	
Feature: Field Escalation	**Function**: FC Layer 2 Routing
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 361685

Defect ID: DEFECT000240241	**Technical Severity**: High
Summary: Brocade Encryption Switch (BES) goes to faulty state after upgrading to 6.2.0b_rc1_bld01 from 6.2.0.	
Symptom: After firmwaredownload from 6.2.0 to a 6.2.0 patch build, BES switch may go faulty	
Feature: Infrastructure	**Function**: Firmware Download
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 364969

Defect ID: DEFECT000240582	**Technical Severity**: High
Summary: "NO Comm" observed when remove HP VC switch from Bay 3 and installed in Bay 4	
Symptom: VCM shows "No communication" for 5481.	
Feature: Embedded	**Function**: Platform
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000240056	**Technical Severity**: High
Summary: Channel receiving RSCN with missing ports in payload after HPF key on or off.	
Symptom: RSCN transmitted by the switch does not transmit all the port IDs in the payload.	
Feature: FC Services	**Function**: Name Server
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000241969	**Technical Severity**: High
Summary: Software verify error occurred during supportsave on DCX and DCX-4S.	
Symptom: Software verify errors and IFCCs seen during supportsave.	
Feature: Fabric Infrastructure	**Function**: Security-login
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000240955	**Technical Severity**: High
Summary: Discovered that a stable working encryption group had split after a successful I/O test run.	
Symptom: After successful DP test run, may observe “comm error” on the group leader.	
Feature: Data Security	**Function**: Infrastructure
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242132	**Technical Severity**: High
Summary: Detected termination of 0.weblinker.fcg on DCX-4S.	

Closed with Code Change in Fabric OS v6.3.0

Symptom: May see messages like "KSWD-1002], 5766, SLOT 4 | FFDC | CHASSIS, WARNING, Brocade_DCX4S, Detected termination of process 0.weblinker.fcg:4837" on the console.	
Feature: FICON	**Function**: Ficud
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242065	**Technical Severity**: High
Summary: FOS v6.2.0 does not provide Chassisinfo with snmpv1 without adding and configuring an snmpv3 user.	
Symptom: The first 6 objects in the system MIB are missing – this corresponds to the 'error: no such object' entries in the Hi-Track system table.	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 365711

Defect ID: DEFECT000242555	**Technical Severity**: High
Summary: Missing FICON interrupt on DCX-4S.	
Symptom: CUP did not respond in time before channel timed out.	
Feature: FC Services	**Function**: Name Server
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235613	**Technical Severity**: High
Summary: Memory leak found during E-port processing.	
Symptom: An E_port constantly going on and off due to other conditions can lead to an out-of-memory condition.	
Feature: Field Escalation	**Function**: Panic / OOM
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 346457

Defect ID: DEFECT000242784	**Technical Severity**: High
Summary: Calculation of TX port and Filter number can incorrectly corrupt the Filter Redirect RAM	
Symptom: An internal recovery scheme can attempt to correct a valid Frame Redirection RAM Filter. This will cause one existing filter to be corrupted, potentially leading to misrouted frames. This is a very rare failure, but if encountered, one of the filter entries will be corrupted.	
Feature: 8G ASIC Driver	**Function**: C2 ASIC driver
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239682	**Technical Severity**: High
Summary: Passwords were reset to default on Brocade DCX upgrade from FOS v6.1.1_enc2 to v6.2.0.	
Symptom: User unable to login.	
Feature: Fabric Infrastructure	**Function**: Security-login
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 363533

Defect ID: DEFECT000242813	**Technical Severity**: High
Summary: Running configdefault may cause Kernel panic on Brocade 48000.	
Symptom: Observed Kernel panic after configdefault on Brocade 48000.	
Feature: 4G Platform Services	**Function**: FOS Kernel Drivers
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000243882	**Technical Severity**: High
Summary: High CPU load occurs and no commands can be run after CALD allocated shared memory is not released by applications.	
Symptom: Switch runs out of shared memory and many of the CLI command do not run and return with message: shmInit: shmget failed: No space left on device.	
Workaround: Run hafailover.	
Feature: Field Escalation	**Function**: OS: Infrastructure
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 369837

Defect ID: DEFECT000242683	**Technical Severity**: High
Summary: Pending Merge:Repeatedly disconnect/reconnecting the ISL links between the Brocade Encryption Switch in the HA cluster environment while rekey operations are in progress may cause data miscompare.	
Symptom: Disconnect/reconnecting the ISL links between Brocade Encryption Switch in HA cluster while running online rekeying may cause data miscompare.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 368785

Defect ID: DEFECT000243152	**Technical Severity**: High
Summary: Encryption group can't automatically recover after it is split into 2 different islands.	
Symptom: Encryption group fails to recover when splitted into two groups.	
Feature: Data Security	**Function**: HA Cluster
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 302186

Defect ID: DEFECT000243280	**Technical Severity**: High
Summary: Firmwaredownload failed on DCX	
Symptom: In rare cases, firmwaredownload on a DCX may not get completed.	
Feature: FICON	**Function**: Ficud
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243229	**Technical Severity**: High
Summary: Pending Merge: Host throughput drops 75% when rekey is started	
Symptom: Host throughput drops 75% when re-key is started for a LUN Re-key takes up to 40 times longer than offline re-key with ~1.3Gbps Host I/O running	
Feature: Data Security	**Function**: Re-key
Probability: High	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244009	**Technical Severity**: High
Summary: All LUNs in a container are showing target offline.	
Symptom: Host will no longer have access to their LUNs through the crypto target containers.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239126	**Technical Severity**: High

Closed with Code Change in Fabric OS v6.3.0

Summary: After encountering a rare error condition, a switch/director may fail to clear an interrupt, resulting in a persistently high CPU load.	
Symptom: User might experience high CPU load and unexpected blade errors. This could trigger a switch panic during a firmware upgrade (hafailover). The user may also observe SCSI timeout errors at the hosts.	
Feature: Field Escalation	**Function**: ASIC Driver
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000241933	**Technical Severity**: High
Summary: SNMP v3 user configuration reverts back to defaults after HAfailover.	
Symptom: When configuring SMNP v3 user configuration on any one of the user-defined USM configuration sets and during HAfailover, the SNMP configuration reverts back to default.	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 367427

Defect ID: DEFECT000242698	**Technical Severity**: High
Summary: IFCC's when disabling trunks and having DPS enabled	
Symptom: IO is stopped	
Feature: FOS Platform Services	**Function**: Routing
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000239658	**Technical Severity**: High
Summary: reset factory default using the faceplate pinhole caused FFDC and VCM shows "No Communication" to the switch	
Symptom: FFDC shown when reset to factory default on embedded platform 5481.	
Feature: Embedded	**Function**: Platform
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000243959	**Technical Severity**: High
Summary: Pending Megre: During rekey operations, continuously disconnect/reconnect the ISL links between 2 cluster nodes, causes one of the LUN to hang at "LUN discovery" state.	
Symptom: LUN may hang at "LUN discovery" state if ISL is continuously disconnected/reconnected.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 371035

Defect ID: DEFECT000244763	**Technical Severity**: High
Summary: Pending merge:Rekeying and toggling ISL to trigger HAC failover in 4 node dual fabric caused Lance slot3 DCX115 and Mace101 faulty. BKSW-1003] HL_BES101, kSWD: Detected unexpected termination of: "[4]CVLC	
Symptom: faulty switches	
Feature: Data Security	**Function**: HA Cluster
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241235	**Technical Severity**: High
Summary: DCX-upgrade from v6.1.1a to v6.2.0-GA,hit FFDC, then panic-detected termination of process pdmd:2676	

Closed with Code Change in Fabric OS v6.3.0

Symptom: From DCFM 10.1.1/13 when upgrading DCX from v6.1.1a to v6.2.0b-GA I saw FFDC error, Detected termination of pdmd:2676, HA out of sync, and 2009/01/30-11:04:33, [FSS-1007], 946, SLOT 6 | CHASSIS, CRITICAL, Neptune, pdm : Faulty Ethernet connection errors	
Workaround: CPs were not in sync when I went down to v6.1.1a. Did net install on DCX to v6.1.1a and upgrade to v6.2.0b-GA.	
Feature: Data Security	**Function**: Infrastructure
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244983	**Technical Severity**: High
Summary: Pending Merge: Mace Faulty during reboot -f test	
Symptom: BES switch failes to become enabled after reboot.	
Feature: Data Security	**Function**: Disk Encryption
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246916	**Technical Severity**: High
Summary: SNMPd core file filled up the root file system on Brocade DCX-4S.	
Symptom: User will observe snmpd process being killed and error message "Detected termination of process snmpd:4636, hasm_swd.c, line: 168, comp:insmod, ltime:2009/03/08-20:20:07:011335". The panic will generate the core file that takes away space on the root file system.	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 373285

Defect ID: DEFECT000245146	**Technical Severity**: High
Summary: Continuously disconnect/reconnecting the ISLs in the HA environment causes one of the Brocade Encryption Switches (BES) to go into faulty state.	
Symptom: While IOs and rekey are in progress, continously disconnect/reconnecting the ISLs in the HA environment causes the BES to go into 'faulty' state	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 372889

Defect ID: DEFECT000242951	**Technical Severity**: High
Summary: Command "fddcfg –fabwideset" and other security commands fails with RCS transaction error.	
Symptom: May see error message like "Security Application returned Transaction Error, 0x1500000b".	
Feature: FC Services	**Function**: Fabric
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244987	**Technical Severity**: High
Summary: With tape pipelining active, the switch may return a good status without sending data.	
Symptom: Tape I/O may fail with errors.	
Feature: FCIP	**Function**: FCIP I/O
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 371297

Defect ID: DEFECT000241221	**Technical Severity**: High
Summary: DCX ASIC parity errors, ICL CRC's and IFCC's on overnight workload	
Symptom: I/O timeouts Dropped frames	

Closed with Code Change in Fabric OS v6.3.0

Feature: 8G ASIC Driver	**Function**: C2 ASIC driver
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245277	**Technical Severity**: High
Summary: Host detecting IFCCs errors to CUP Port.	
Symptom: FICON specific errors may show up on a host devices.	
Feature: FICON	**Function**: Ficud
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000225799	**Technical Severity**: High
Summary: Sshd allows admin login to execute root level Linux commands but not admin CLI commands	
Symptom: Admin CLI commands executed using login admin via ssh (through the FOS sshd daemon) fail with error: rbash: <admin level command>: command not found	
Workaround: A workaround to facilitate execution of admin level CLI commands using ssh, is to use syntax similar to: ssh -l admin 192.168.1.12 "rbash --login -c 'switchshow'" Or if a command is needed that works on both older (correctly operating) FOS and the newer/affected FOS: ssh -l admin 192.168.1.12 "switchshow || rbash --login -c 'switchshow'"	
Feature: Field Escalation	**Function**: Security
Probability: Medium	**Risk of Fix**: High
Found in Release: FOS5.3.1	**Service Request ID**: 327181

Defect ID: DEFECT000245996	**Technical Severity**: High
Summary: Brocade Encryption Switch (BES) goes faulty as a result of alternately rebooting the two BES that have all the physical connectivities to the targets and initiators.	
Symptom: Faulty BES will not be available for crypto operations.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246162	**Technical Severity**: High
Summary: Brocade Encryption Switch went Faulty when starting traffic.	
Symptom: Loss of LUNs to the Host	
Feature: Data Security	**Function**: Disk Encryption
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246423	**Technical Severity**: High
Summary: Taking the RKM down while rekeys are in progress, causes one of the LUN gets stuck at state "Not ready (Key creation)".	
Symptom: Crypto LUNs may go into "Not Ready" state during rekeying process if RKM KV goes down.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246318	**Technical Severity**: High
Summary: SAK/IRNDUP fails with Port Address Name miss compare on CUP Port x'FE'	
Symptom: IO is stopped	
Feature: FICON	**Function**: Ficud
Probability: Medium	**Risk of Fix**: Low

Found in Release: FOS6.2.0	

Defect ID: DEFECT000245162	**Technical Severity**: High
Summary: Detected termination of process fabricd:4820	
Symptom: Creating LS may result in fabricd process getting terminated.	
Feature: FC Services	**Function**: Fabric
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243349	**Technical Severity**: High
Summary: Pending Merge: Disconneting/reconnecting the ISL on Brocade Encryption Switch while rekey in progress may result in new key creation failure.	
Symptom: Disconnecting/reconnecting the ISL while rekey operations are in progress, causes the rekey to hang. LUN state shows "Rekey ACK timeout."	
Workaround: This fix was merged from v6.2 patch to v6.3	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 370041

Defect ID: DEFECT000246901	**Technical Severity**: High
Summary: Brocade Encryption Switch (BES) shows Encryption Engine busy when continuously and repeatedly disable/enable IO sync ports of the BES.	
Symptom: BES and Encryption Engine are not available for crypto operations.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247176	**Technical Severity**: High
Summary: Node descriptors are missing for Brocade DCX and DCX-4S.	
Symptom: Missing Node descriptors (FICON RNID data)	
Feature: Pluto Platform Services	**Function**: Platform Services
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247409	**Technical Severity**: High
Summary: Tapepipelining code begins to randomly send only data frames in an exchange to tape drive.	
Symptom: Tape job fails.	
Feature: FCIP	**Function**: FCIP Performance
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 375305

Defect ID: DEFECT000246908	**Technical Severity**: High
Summary: Partitioned Brocade DCX-4S panic'd after reset allegiance issued by multiple hosts.	
Symptom: FICUD terminates and switch reboots.	
Feature: FICON	**Function**: Ficud
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245317	**Technical Severity**: High
Summary: Rolling ASSERT+PANIC on DCX with FS8-18 faulty when going from 6.1.2_bld10 to 6.2.0d_rc1_bld02	

Symptom: Firmware upgrade from 6.1.2 to 6.2.0 may fail to complete.	
Feature: 8G ASIC Driver	**Function**: Other
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247757	**Technical Severity**: High
Summary: Portswap not working for ports 32-47 on 48 port blade	
Symptom: On a 48 port blade port swap may not work on ports 32 through 47.	
Feature: FICON	**Function**: Ficud
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000232995	**Technical Severity**: High
Summary: VI to PT routes are deleted following portdisable/enable on a Brocade FC4-48 blade.	
Symptom: VI is not able to login to Target following creation of FR zone and portdisable/enable for the host port.	
Feature: Field Escalation	**Function**: FC Layer 2 Routing
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.0.1	

Defect ID: DEFECT000249448	**Technical Severity**: High
Summary: Elara freezes with jumbo frame blast	
Symptom: Sending larget blast of ethernet Jumbo frame may result in 8000 switch to freeze up.	
Feature: CEE-LAYER2	**Function**: LAG/TRUNKING
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000248685	**Technical Severity**: High
Summary: FDMI Database information not showing proper information after disabling the port in AG that is connected to HBA.	
Symptom: Brocade_Software Identity instance for remaining node is missing in Brocade SMIA.	
Feature: FC Services	**Function**: FDMI
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000248707	**Technical Severity**: High
Summary: Host with Fibrechannel Fastwrite (FCFW) enabled has problems with port disable/enable of HBA ports.	
Symptom: Server hangs after Brocade 7500 reboot.	
Feature: 4G ASIC Driver	**Function**: Zoning
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000248948	**Technical Severity**: High
Summary: Rekey operation hangs as a result of failing over to the path that no longer has access to the physical target	
Symptom: Rekey operation does not complete.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000249164	**Technical Severity**: High

Closed with Code Change in Fabric OS v6.3.0

Summary: Switch Kernel panics when performing VMware VMotion (vport migration)	
Symptom: When using VMware vmotion, under rare conditions switch may reset.	
Feature: CEE-FCOE	**Function**: FCOE DRIVER
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000248947	**Technical Severity**: High
Summary: While rekey operations are in progress, disrupting the IO sync link causes rekey operations to hang.	
Symptom: Affected re-key operations will hang and not make progress.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246419	**Technical Severity**: High
Summary: In an atypical test configuration, system reboot observed on one of two Brocade 8000s configured as point-to-point FC connections.	
Symptom: After an fcoelogingroup was created on the first switch, the fcoelogingroup was not observed on the second switch. Following the fcoelogincfg –disable command, the second system rebooted. After proper reconfiguration, this reboot is not reproducible.	
Feature: CEE-FCOE	**Function**: FCOE Daemon
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000246149	**Technical Severity**: High
Summary: Port Fencing - E-port Class Link Resets are not fencing.	
Symptom: RASLOG message will be presented indicating link resets are above threshold, but the port will not have been fenced, as expected.	
Feature: Fabric Infrastructure	**Function**: Fabric Watch
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000249647	**Technical Severity**: High
Summary: There is a small timing window that devices might send PLOGI earlier than route is setup and cause PLOGI drop in single switch fabric.	
Symptom: Host cannot talk to target.	
Feature: 8G Platform Services	**Function**: Routing
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 376065

Defect ID: DEFECT000249799	**Technical Severity**: High
Summary: Brocade 8000 will have rolling reboot when deleting the active fcoe logincfg from conflicting logingroup database	
Symptom: rolling rebooting switch	
Feature: CEE-FCOE	**Function**: FCOE Daemon
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000246377	**Technical Severity**: High
Summary: After rebooting one Brocade Encryption Switch (BES) of a HAC that has connectivity to the physical targets and initiators, all the crypto targets are lost in the HAC cluster.	
Symptom: LUNs that were part of the lost crypto target containers are not available for crypto operations.	

Closed with Code Change in Fabric OS v6.3.0

Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243576	**Technical Severity**: High
Summary: IPAD-5000 messages will error code "105" showing up on most platforms in AG fabrics. Possible Memory Leak scenarios.	
Symptom: In AG mode, some RASLOG message show up with error codes.	
Feature: Access Gateway Services	**Function**: Platform Other
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000248534	**Technical Severity**: High
Summary: RLIR's with LOL is being generated on 8G channels during CEC IML	
Symptom: During CEC IML of 8G channels, RLIR's are being generated by switch.	
Feature: 8G ASIC Driver	**Function**: PORT
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000250773	**Technical Severity**: High
Summary: fail to label tape w/ error: ERROR, SYS, Crypto tape receives service failure in tape_cmd_pre_execution_scsi_chk: PI BLK size > RBL, 0x0, tape_util.c, line: 5002	
Symptom: Back up application unable to label tape media with tape encryption.	
Feature: Data Security	**Function**: Tape Encryption
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246519	**Technical Severity**: High
Summary: User entered FRU number via CLI is not being modified.	
Symptom: RNID data reporting same serial # for two different logical switches.	
Feature: FICON	**Function**: Ficud
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000251984	**Technical Severity**: High
Summary: Authentication is getting failed after 15 min if we configured external authentication like LDAP or Radius server	
Symptom: If external authentication mechanism like LDAP or RADIUS server was configured in the switch. After 15-20 user is not able to login using WT or webpage. It reports invalid passowrd. CLI works fine. Once rebooted the swtich it is again working for 15 min then the same issue is occuring.	
Feature: Fabric Infrastructure	**Function**: Security-login
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000248901	**Technical Severity**: High
Summary: Tapepipelining code on PI side does not close exchange upon a ELS RJT response to REC -- "invalid oxid/rxid combo"	
Symptom: Writing to tape would fail at random points along the write sequences. device would stop getting write data. Reading from tape would be unaffected.	
Feature: FCIP	**Function**: FCIP Performance
Probability: High	**Risk of Fix**: Low

Found in Release: FOS6.2.0	

Defect ID: DEFECT000227048	**Technical Severity**: High
Summary: Detected unexpected termination of Remote Procedure Call (RPC) daemon.	
Symptom: RPC Daemon application will crash, then will non-disruptively restart. The following error messages may be observed: [KSWD-1003] kSWD: Detected unexpected termination of: "[13]rpcd:0 ... [RAS-1001] First failure data capture (FFDC) event occurred. [SYSC-1004] Daemon rpcd restart successful.	
Feature: Field Escalation	**Function**: Management Services
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS5.3.0	**Service Request ID**: 333775

Defect ID: DEFECT000252179	**Technical Severity**: High
Summary: Persisten IU pacing feature in 3rd party device trigger issues with tape emulation.	
Symptom: I/O timeouts reported on 3rd party system with tape emulation	
Workaround: Reset switches/blade to recovery FICON connectivity after Tunnel failure.	
Feature: FCIP	**Function**: FCIP I/O
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000248165	**Technical Severity**: High
Summary: During stress test overnight run of rekey and ISL disable/enable, the test tool exited on write failure to encrypted LUNs.	
Symptom: During a stress test run of rekey + ISL disable/enable, the test tool running on a host in the fabric due to write failure to three drives. A second host writing to the same targets did not encounter this issue.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236764	**Technical Severity**: High
Summary: Brocade Encryption Switch (BES) goes to 'faulty' state after test cycle that alternately reboots each BES in the configuration every 5 minutes.	
Symptom: BES goes to 'faulty' state after the weekend run that alternately reboots each BES in the configuration every 5 minutes.	
Feature: FC Services	**Function**: Other
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1_enc	**Service Request ID**: 356483

Defect ID: DEFECT000247365	**Technical Severity**: High
Summary: cp in slot 5 set defaulty	
Symptom: A software fault on a 48K switch may result in CP to get faulted	
Feature: Field Escalation	**Function**: OS: Linux
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS5.3.1	**Service Request ID**: 374435

Defect ID: DEFECT000253164	**Technical Severity**: High
Summary: Mixing FibreChannel FastWrite (FCFW) and Non-FCFW flows can cause dcam entries to not be set correctly.	
Symptom: When attempting to run a FCFW flow to a device port that already has Non-FCFW flows running to it, the FCFW flow appears to fail without seeing any kind of port filter counters incrementing, indicating that FCFW frames were seen.	
Feature: Field Escalation	**Function**: ASIC Driver

Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000253986	**Technical Severity**: High
Summary: I/O can not resume when Jamming the status frame with IDLE with QOS enalbe	
Symptom: If F port is in QOS mode, link reset did not load the buffers correctly and I/O can be disrupted.	
Feature: 8G ASIC Driver	**Function**: PORT
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000256438	**Technical Severity**: High
Summary: ZONEd panic and VERIFYs due to shmInit: shmget failed: No space left on device	
Symptom: Customers may see a message: "shmInit: shmget failed: No space left on device"	
Workaround: reboot the switch	
Feature: Field Escalation	**Function**: Fabric Services
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 385415

Defect ID: DEFECT000246020	**Technical Severity**: High
Summary: Nameserver database counts do not match for FOS and EOSc switches in same fabric	
Symptom: In IM2, mixed fabric with over 500 devices, nameserver counts do not match for FOS and EOSc switches in the same fabric. EOSn count matches FOS nameserver count.	
Workaround: No	
Feature: FC Services	**Function**: FDMI
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000256657	**Technical Severity**: High
Summary: FCIP VE port: Fast recovery does not handle pure out of order packets.	
Symptom: A partial fast recovery will generate and retransmit from the head of queue. This can cause multiple retransmissions and duplicate ACKs when only one is required.	
Feature: Field Escalation	**Function**: FCIP
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 383649

Defect ID: DEFECT000252471	**Technical Severity**: High
Summary: Firmwarecommit failed on Active CP with "missing /etc/fabos/skm/IngrianNAE.properties"	
Symptom: This problem is specific to BES and FS8-18 while upgrade to FOSv6.2.0c or later patches: missing /etc/fabos/skm/IngrianNAE.properties Firmware commit operation failed on active CP - Primary filesystem is inconsistent. Run firmwarerestore to restore the original firmware, or contact your service provider for recovery. (0x25)	
Workaround: Execute the following commands on both Active and Standby CPs after the problem has occured. cp /etc/fabos/skm/IngrianNAE.properties.template /etc/fabos/skm/IngrianNAE.properties firmwarecommit	
Feature: Infrastructure	**Function**: Firmware Download
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 380429

Defect ID: DEFECT000256968	**Technical Severity**: High
Summary: Unable to launch Web tools on a DCX	
Symptom: Switch name or port name should not impact launching of Web tools.	

Closed with Code Change in Fabric OS v6.3.0

Feature: Field Escalation	**Function**: Management Services
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 385329

Defect ID: DEFECT000259049	**Technical Severity**: High
Summary: File SW_v5_8.mib has internal notation that it is Version v5.7	
Symptom: First line of MIB file doesn't match the file name descriptor.	
Feature: Field Escalation	**Function**: Management Embedded
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 387859

Defect ID: DEFECT000254779	**Technical Severity**: High
Summary: CALD memory leak led to switch panic / fabric disruption.	
Symptom: While running management applications using SMI interface, switch experienced Out Of Memory condition resulting in switch panic and restart.	
Feature: Field Escalation	**Function**: Panic / OOM
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 376973

Defect ID: DEFECT000246329	**Technical Severity**: High
Summary: Detected termination of 0.weblinker.fcg:2045 (1) during deleting logical switches	
Symptom: User will see weblinker termination message on the console. weblinker should not crash under any circumstance.	
Feature: Mgmt Embedded - HTTP	**Function**: VF
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000252666	**Technical Severity**: High
Summary: Data Miscompare after Brocade Encryption Switch (BES) power cycle	
Symptom: Data integrity not maintained during BES switch power cycle.	
Feature: Data Security	**Function**: Disk Encryption
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000258490	**Technical Severity**: High
Summary: Out of Memory due to switch not timing out in.telnetd processes	
Symptom: Switch will run out of memory	
Workaround: reboot the switch	
Feature: Field Escalation	**Function**: OS: Linux
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2	**Service Request ID**: 387605

Defect ID: DEFECT000259842	**Technical Severity**: High
Summary: Transmitted Rate / Received rates based on the Bytes Transmitted / Bytes Received are greater than the peak rates (RateTxPeakByte & RateRxPeakByte)	
Symptom: Under certain conditions transmit / receive rate may exceed their corresponding peak rates.	
Feature: Field Escalation	**Function**: ASIC Driver
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000243880	**Technical Severity**: High

Closed with Code Change in Fabric OS v6.3.0

Summary: CP panic with FICUd crash occurred during supportsave operation.	
Symptom: FICUd crash and CP reboot	
Workaround: This can be avoided by doing one of the following after enabling FMSMODE for the first time: - switchdisable/switchenable - hafailover - hareboot - reboot	
Feature: FICON	**Function**: Ficud
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246343	**Technical Severity**: High
Summary: Name Server daemon (nsd) panic occurs after enabling frame redirection.	
Symptom: With Redirection (RD) zone present in the fabric, a cfgsave will cause zoning to push the effective zone database to nsd, and a cfgenable will cause the push to happen again. If cfgenable follows a cfgsave too close, it's possible the two database pushes "step on each other" and may trigger an nsd panic.	
Workaround: Delay executing a cfgenable after a cfgsave when there is frame RD zone.	
Feature: FC Services	**Function**: Name Server
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 373073

Defect ID: DEFECT000250790	**Technical Severity**: High
Summary: RTWR error when going to translate domain	
Symptom: Numerous RTWRs will be observed. Configuration specific condition happens when switch-to-switch NS frames are intended for the LE domain but use any valid F/E-port vs using the LE port ID. Frame will be dropped vs being accepted or rejected, which results in repeated RTWR attempts.	
Feature: Field Escalation	**Function**: FCR
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 378469

Defect ID: DEFECT000245512	**Technical Severity**: High
Summary: Brocade 7500 VE port doesn't recover after WAN issues.	
Symptom: Device connectivity across the FCIP link will be lost. The credit information in the portshow of the FCIP tunnel will show a negative credit number (a very large number of credits queued.)	
Feature: Field Escalation	**Function**: FCIP
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 372699

Defect ID: DEFECT000208039	**Technical Severity**: High
Summary: In a large fabric (50+ switches), simultaneously disabling and enabling all switches could result in some switches stuck in F2 (unconfirmed) state.	
Symptom: After disabling and enabling all switches simultaneously, some switches still have domain unconfirmed and are stuck in "F2" state.	
Workaround: Disable and enable the switches that are stuck in F2 (domain ID not yet confirmed) state independently.	
Feature: FC Services	**Function**: Fabric
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000236028	**Technical Severity**: High
Summary: In some rare scenarios, when HA Failover performed prior to Name Server being in sync, RSCNs were delivered	
Symptom: No visible impact to customer besideds extram RSCN was sent out.	
Feature: FC Services	**Function**: Name Server

Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237921	**Technical Severity**: High
Summary: Test tool reports data corruption during an overnight run.	
Symptom: The test continuously disables/enables the ISL links to force failover/failback between members of an HA cluster.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1_enc	**Service Request ID**: 359931

Defect ID: DEFECT000261384	**Technical Severity**: High
Summary: Firmware upgrade from v6.2.0g to v6.3.0_main_bld40 on one node at a time in a two node EG causes the node with v6.2.0g to fault(CVLCD crashes)	
Symptom: Switch with version 6.2.0g in an EG becomes faulty when the other switch in the same EG is upgraded to an internal 6.3 build.	
Feature: Data Security	**Function**: Platform
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236947	**Technical Severity**: High
Summary: Need for synchronization between DCBX FCoE priorities with that of PFCs enabled	
Symptom: FCoE priorities are not tied up with PFC.	
Feature: CEE-LAYER2	**Function**: LLDP
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000240058	**Technical Severity**: High
Summary: FrustatusChanged trap and fruhistorytrap are not received when a slot is removed or inserted	
Symptom: There are no traps generated. Customer should be intimated with a trap if there is a fru failure or the slot is powered off or a fan disable operation takes place.	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245868	**Technical Severity**: High
Summary: Encrypted LUN gets into internal Encryption Engine (EE) LUN State: Disabled (key not in sync) as a result of rekeying and HAC/DEK cluster failover and failback.	
Symptom: Encrypted LUN is not available for crypto operations.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000250753	**Technical Severity**: High
Summary: As a result of I/O and crypto operations, three LUNs are in "Key ID Unvailable" state and one LUN indicates that inquiry failed	
Symptom: Three LUNs on container showing Key ID Unavailable, and one LUN showing inquiry failed. These LUNs are fully functional with no issues on all other containers.	
Workaround: Reboot the Encryption Engine (EE.)	
Feature: Data Security	**Function**: Infrastructure
Probability: Medium	**Risk of Fix**: Medium

Found in Release: FOS6.2.0	

Defect ID: DEFECT000252257	**Technical Severity**: Medium
Summary: DMM used license can be reset after netinstall of FOS	
Symptom: After clean installation of a firmware version in some cases user might not be able to install DMM license	
Feature: UNDETERMINED	**Function**: UNDER REVIEW
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000255461	**Technical Severity**: Medium
Summary: 4024 AG may login to DCX with wrong pwwn	
Symptom: switchshow on the switch may display wrong PWWN	
Workaround: reboot AG	
Feature: Field Escalation	**Function**: Access Gateway
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 384107

Defect ID: DEFECT000258583	**Technical Severity**: Medium
Summary: OVMS init command is not correctly supported	
Symptom: customer will see that OVMS init command cannot complete and OVMS cannot mount filesystem when it is encrypted.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.2.1	

Defect ID: DEFECT000257986	**Technical Severity**: Medium
Summary: In FOS 6.2, OID for connUnitType no longer returns the correct access gateway mode status	
Symptom: Customer upgraded from FOS v6.1.1d to 6.2.0f. Switch returns a different value for connUnitType in 6.2.0f	
Feature: Field Escalation	**Function**: Management Services
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 386337

Defect ID: DEFECT000240705	**Technical Severity**: Medium
Summary: system panic on stand by cp after a hafailover	
Symptom: following a hafailover, standby may result in reboot.	
Feature: 8G Platform Services	**Function**: FOS Kernel Drivers
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241777	**Technical Severity**: Medium
Summary: Default Fabric Watch alarm value needs to be modified.	
Symptom: DCX reporting high temperature alarms on Brocade FS8-18 blades when the ambient temperature is 39C.	
Feature: System Controls/EM	**Function**: Pluto
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 367201

Defect ID: DEFECT000259723	**Technical Severity**: Medium
Summary: port fence disabled ports that are running diagtest and triggered blade fault during blade POST	

Closed with Code Change in Fabric OS v6.3.0

Symptom: During blade insertion or switch power up: Blade did not come on line with RASLOG from fabric watch: FW-1510 620821/483341, SLOT 7 | FID 128, INFO, , FOP Port#11/12,Invalid Words threshold exceeded: Port 108 disabled, thresh_agent.c, line: 2394, Same message may conutinue to be reported on already faulted blades.	
Workaround: No	
Feature: Field Escalation	**Function**: Management Services
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000259816	**Technical Severity**: Medium
Summary: Addressing mode NVP is not available in switch.html page	
Symptom: switch.html will not show addressing mode	
Feature: Mgmt Embedded - HTTP	**Function**: VF
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.1	

Defect ID: DEFECT000257346	**Technical Severity**: Medium
Summary: Class 2 ACK is not forwarded from F_Port to N_Port in Access Gateway.	
Symptom: When the host transmits a PLOGI to the Name Server (NS), the NS responds with an ACK and then an ACC. The AG forwards the ACC to the host which then responds with an ACK. The ACK is never forwarded back to the NS which causes the NS to ABTS the exchange.	
Feature: Field Escalation	**Function**: Access Gateway
Probability: High	**Risk of Fix**: Medium
Found in Release: FOS6.1.2	**Service Request ID**: 385037

Defect ID: DEFECT000221643	**Technical Severity**: Medium
Summary: MS Platform dB is activated after warm recovery of firmwaredownload	
Symptom: After upgrading from v5.2.0a to v5.3.0d, the MS Platform dB was activated after the warm recovery of the CP which caused a segmentation due to the MS Platform dB being activated.	
Feature: Field Escalation	**Function**: Management Services
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS5.3.0	**Service Request ID**: 324489

Defect ID: DEFECT000207366	**Technical Severity**: Medium
Summary: Inconsistencies seen for topologyshow and islshow bandwidth on 5300 and 300 switches	
Symptom: ISLSHOW and TOPOLOGYSHOW ouput will be inconsistent	
Feature: Platform Services	**Function**: Routing
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000259936	**Technical Severity**: Medium
Summary: FICON XRC Emulation error handling OOO Status Frames	
Symptom: DASD CU reboots due to Link Busy loop caused by incorrect handling of the OOO DE status frame.	
Workaround: Option 1: Deactivate all paths that utilize the same device ports and reactivate at the same time. Option 2: Disable FICON XRC emulation	
Feature: FCIP	**Function**: FCIP I/O
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000260383	**Technical Severity**: Medium
Summary: HIL-1610 WARNING appeared on Brocade 5120 units after power cycle.	

Closed with Code Change in Fabric OS v6.3.0

Symptom: Running power cycles several times and confirmed the error message below. The error message is as follows: [HIL-1610], 27,, WARNING, Brocade5100, Fan/PS unit 1 not supplying power, fan speeds not available. Please ensure that the unit has power and the switch is on.	
Workaround: Ignore the warning - it is innocuous when seen right at boot up time. It results from a solitary spurious sensor reading that is below minimum.	
Feature: Field Escalation	**Function**: EM / Hil / Sysctrl
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1	**Service Request ID**: 390231

Defect ID: DEFECT000260194	**Technical Severity**: Medium
Summary: DCX High temperature and bad sensor reported on two DCX	
Symptom: Temperature sensor reporting spurious solitary readings which leads to the CRITICAL HIL-1502 message, without having first gone through the HIL-1501 warning.	
Workaround: Ignore isolated / spurious High Temperature CRITICAL errors when not preceeded by warnings.	
Feature: Field Escalation	**Function**: EM / Hil / Sysctrl
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1	**Service Request ID**: 384655

Defect ID: DEFECT000253027	**Technical Severity**: Medium
Summary: Unable to get F Ports(Trunk Ports) data.	
Symptom: From management application, can't get F-Port Trunk data. CLI works.	
Feature: Mgmt Embedded - CAL	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000258565	**Technical Severity**: Medium
Summary: On some of Elara boards DIAGPOST is failing due to loss of sync.	
Symptom: In pre-GA versions of Brocade 8000 switch users may see POST failure	
Feature: Diagnostics	**Function**: Post Diags
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000245810	**Technical Severity**: Medium
Summary: Processor rebooted - Software Fault:ASSERT when frame size received is too big.	
Symptom: switch reboot/hafailover with kernel assert in FCPH module.	
Feature: Field Escalation	**Function**: FCR
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS5.3.1	**Service Request ID**: 373071

Defect ID: DEFECT000223540	**Technical Severity**: Medium
Summary: Need to support a command "clear logging" to clear all debug log messages accumulated.	
Symptom: In cmsh mode there is no CLI to clear internal debug log entries	
Workaround: Go to FOS mode and issue an "errclear" command.	
Feature: CEE-MANAGEABILITY	**Function**: CLI
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000238013	**Technical Severity**: Medium
Summary: Cli output consistency and input validation issues around key lifespan option of a LUN.	
Symptom: -- Adding a LUN to a container(tape) with a key lifespan of 1 day displays lifespan as 1440 minutes(from "cryptocfg --show -container -all -stat" cli)	

Workaround: Input validation issues. Requires the user to provide valid input	
Feature: Data Security	**Function**: CLI
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238921	**Technical Severity**: Medium
Summary: High Availability : User is able to change the "desired distance" for long distance "L0".User should not be able to change the "Desired distance", if the "Long distance" value is "L0". It should always be "N/A" for L0.	
Symptom: User should not be able to change the "Desired distance", if the "Long distance" value is "L0". It should always be "N/A" for L0.	
Feature: WebMgmt	**Function**: High Availability
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237611	**Technical Severity**: Medium
Summary: After firmware upgrade, FC FastWrite traffic sometimes fails.	
Symptom: User will notice FC FastWrite traffic failure.	
Feature: FCIP	**Function**: FCIP Port
Probability: Medium	**Risk of Fix**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244898	**Technical Severity**: Medium
Summary: A few VERIFY are dump out on BB DCX and FR4-18i EX port stuck without showing switch name of the edge fabric switch etc during edge switch firmwareupgrade.	
Symptom: VERIFY shown on BB switch.	
Feature: Legacy FCR (7500/FR4-18i)	**Function**: FCR Port
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245851	**Technical Severity**: Medium
Summary: FMS mode should be blocked when a logical switch is in 10 bit addressing	
Symptom: When logical switch is in 10 bit addressing, user is able to enable fmsmode.	
Feature: FICON	**Function**: Ficud
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246147	**Technical Severity**: Medium
Summary: TI Zone activation failed when pushing from DCFM to fabric with v6.2.0 and v6.1.2	
Symptom: Cannot TI Zone activation from DCFM.	
Feature: Mgmt Embedded - CAL	**Function**: Name Server
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.2	

Defect ID: DEFECT000246957	**Technical Severity**: Medium
Summary: the drive is taken offline after container is failbacked	
Symptom: After failback of a encryption container, may notice a drive is taken offline.	
Feature: Data Security	**Function**: Tape Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000244126	**Technical Severity**: Medium
Summary: If configdownload is performed via DCFM, switch authentication failure may be seen	
Symptom: Authentication failure for clients using HTTP service	
Workaround: hafailover or hareboot	
Feature: Mgmt Embedded - HTTP	**Function**: User Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247797	**Technical Severity**: Medium
Summary: Add FIP version 0 handling per IBM requirments	
Symptom: None - defect was filed for a to-be-defined standards compliance. Customers may not see this issue.	
Feature: CEE-FCOE	**Function**: FCOE DRIVER
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.1.3_cee	

Defect ID: DEFECT000245999	**Technical Severity**: Medium
Summary: Address configdownload problems	
Symptom: This defect address serverial configdownload related problems: - With VF enabled configdownload choose "all" option ends with a core dump. - Configdownload a file from FOSv6.1.x configuration also ends up core dump. - Local WWN for FCIP was overrode by configdownload with WWN in the config file	
Feature: Infrastructure	**Function**: Config Download
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241092	**Technical Severity**: Medium
Summary: Due to race condition, daemons may panic during FID deletion and creating without significant time delay in between.	
Symptom: Swithc become irreponsive and dameon starts to panic such as Detect termination of msd:4811 duirng FID deletion and creating	
Feature: 8G Platform Services	**Function**: Partition Management
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000230004	**Technical Severity**: Medium
Summary: Cold-failover within Port group for F_Port didn't happen on Access Gateway (AG)	
Symptom: it was observed that cold-failover within Port group for F_Port with configured N_Port offline didn't happen on embedded switch when another available Nport is brought online within the same port group.	
Workaround: "portenable" the F_Ports in question.	
Feature: Access Gateway Services	**Function**: Daemon
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247054	**Technical Severity**: Medium
Summary: Supportsave may show parity errors on disabled ports.	
Symptom: Supportsave starting with FOS v6.1.2 has been updated to collect more data. As data is read from disabled ports, a parity error may be logged from those disabled and unused ports. A switch that has been upgraded from a lower code level and never cold booted may show this problem. No errors will be caused on enabled ports or after a disabled port is enabled.	
Feature: Field Escalation	**Function**: ASIC Driver

Closed with Code Change in Fabric OS v6.3.0

Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000234810	**Technical Severity**: Medium
Summary: Switch Admin: Merge status dialog should display the status and timestamp of last merge for FCoE Login.	
Symptom: User will not know the present status and the timestamp for last merge of FCoE login.	
Feature: CEE-FCOE	**Function**: FCOE Daemon
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000237765	**Technical Severity**: Medium
Summary: Switch panic in kernel while access an iu that has already timedout and freed.	
Symptom: Switch panic during a rare occurrence of a timed out exchange being accessed.	
Feature: Field Escalation	**Function**: Panic / OOM
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS5.3.1	**Service Request ID**: 359009

Defect ID: DEFECT000210892	**Technical Severity**: Medium
Summary: Hosts on Access Gateway-4424 lost their targets when failover happened from 1 trunk group (with primary ports) to another trunk group (with shared area ports) on triton blade of dcx chassis	
Symptom: When failover happened from 1 trunk to another trunk (with shared area ports) on Access Gateway-4424, both servers lost their targets.	
Feature: Access Gateway Services	**Function**: F Port Trunking
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000243054	**Technical Severity**: Medium
Summary: Web Tools shows no SFP details for CEE interfaces.	
Symptom: No data in Web Tools Port Admin window for SFPs for CEE interfaces.	
Workaround: Use the CLI interface.	
Feature: WebMgmt	**Function**: Web Tools EZ
Probability: High	**Risk of Fix**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000244969	**Technical Severity**: Medium
Summary: On Enabling LLDP status and assigning FCoE priority bits globally, is not getting reflected in Port Admin window	
Symptom: LLDP status and FCoE priority bit are not getting reflected properly, which shows wrong values to the user.	
Workaround: No	
Feature: CEE-Infrastructure	**Function**: CEE CAL Library
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000245465	**Technical Severity**: Medium
Summary: Confusing error message when copying a source configuration from a remote server.	
Symptom: Restoring a CEE configuration may not completely override the current CEE configuration, even though the message displays "Current system running configuration is updated."	

Workaround: Do clean-up before downloading a new CEE configuration: 1. In cmsh, run "write erase" to clear startup-config. 2. Reboot switch by running "reboot" on FOS prompt. 3. In cmsh, use "copy" command to copy backup configuration into running-config.	
Feature: CEE-MANAGEABILITY	**Function**: CLI
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000247893	**Technical Severity**: Medium
Summary: Port Auto Disable - Ports outside of given range are being enabled	
Symptom: ports may get enabled outside of the range given.	
Workaround: Enable and disable port auto disable for ports one at a time.	
Feature: 8G Platform Services	**Function**: FOS Kernel Drivers
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000248900	**Technical Severity**: Medium
Summary: IPv6 Address dropped from ag --show	
Symptom: The IPv6 Address isn't shown by "ag --show".	
Workaround: switchdisable/enable causes the IPv6 Address again to be presented.	
Feature: Access Gateway Services	**Function**: CLI
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246164	**Technical Severity**: Medium
Summary: Brocade 5470: switchcfgspeed 2G or 4G caused debug messages to display on serial console	
Symptom: Debug message appears in serial console when switchcfgspeed 2G or 4G is run.	
Feature: Embedded	**Function**: Platform
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0_emb	

Defect ID: DEFECT000241581	**Technical Severity**: Medium
Summary: Port statistics details are not getting refreshed for EX ports	
Symptom: Port statistics information should be refreshed every (15/30/45...) sec for all the ports. But it is not happening for Ex ports.	
Feature: WebMgmt	**Function**: FCR Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000248644	**Technical Severity**: Medium
Summary: Web Tools Switch Admin: QoS: User defined priority group 0-7 does not show up in the drop down for priority group id.	
Symptom: User cannot map user defined priority group to a Class of Services (CoS).	
Workaround: Use CLI to map user defined priority group to a CoS.	
Feature: WebMgmt	**Function**: Switch Admin
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000244367	**Technical Severity**: Medium
Summary: BR300 returned to me the invalid value when I got 'swFCPortFlag' MIB object from BR300 on SNMP manager.	

Closed with Code Change in Fabric OS v6.3.0

Symptom: According to FOSv6.1.0 MIB Reference Manual(53-1000602-02), 'swFCPortFlag' returns two value. Those are virtual (0) and physical (1). However, BR300 did not return to me the virtual (0) or physical (1) when I got 'swFCPortFlag' MIB object from BR300 on SNMP manager.	
Feature: Field Escalation	**Function**: Management Services
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.1	**Service Request ID**: 369513

Defect ID: DEFECT000249394	**Technical Severity**: Medium
Summary: MAC learning/flushing times are very slow on Brocade 8000 Switch	
Symptom: Users may see slot MAC learning/flushing times for Brocade 8000 Switch	
Feature: CEE-LAYER2	**Function**: L2 SUBSYSTEM
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000247423	**Technical Severity**: Medium
Summary: Switch crashed on sending LOGO from Finisar LT	
Symptom: Switch may crash when sending specific commands from traffic generator tools.	
Feature: CEE-FCOE	**Function**: FCOE DRIVER
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.1.3_cee	

Defect ID: DEFECT000249146	**Technical Severity**: Medium
Summary: Virtual Fabrics 6.2.0c when XISL use is enabled base logical switch in switchshow shows Allow XISL Use as "off" open RFE 1249	
Symptom: The switchshow output for allowing XISL use in VF mode is misleading.	
Feature: Logical Fabric	**Function**: Platform
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247813	**Technical Severity**: Medium
Summary: Modify fipcfg --advintvl cli to reject non-zero values for FKA interval	
Symptom: Update severity - development filed defect for external beta release notes.	
Feature: CEE-FCOE	**Function**: FCOE Daemon
Probability: High	**Risk of Fix**: Medium
Found in Release: FOS6.1.3_cee	

Defect ID: DEFECT000249114	**Technical Severity**: Medium
Summary: CUP needs to send an RSCN after coming back online after a cold boot	
Symptom: Cascaded CUP connectivity is broken after a cold recovery event The cold events in this scenario are active CP reboot, concurrent CP reboot, fastboot and pwer cycle.	
Feature: FC Services	**Function**: Other
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000249419	**Technical Severity**: Medium
Summary: WT: FCoE connected devices tab, sort order of Device WWN is incorrect	
Symptom: When sorting by WWN in the FCoE connected devices tab, the list seems to be sorted incorrectly.	
Feature: WebMgmt	**Function**: Ports Admin
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000245986	**Technical Severity**: Medium
Summary: In a FCR environment, switch run out of memory when connected with EoS switches.	
Symptom: EoS switch sending continousely RRQ due to FOS switch did not handle RRQ with either accept/reject. The message holds in iswitchd queue trigger OOM kill of iswitchd and switch panic.	
Feature: Field Escalation	**Function**: Panic / OOM
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 373769

Defect ID: DEFECT000247602	**Technical Severity**: Medium
Summary: Blades are not shown in when a slot is hot plugged in to a DCX/DCX-4s	
Symptom: When a slot is hot plugged, its information will not appear on the GUI	
Feature: Mgmt Embedded - CAL	**Function**: Ports Admin
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243578	**Technical Severity**: Medium
Summary: With VF, deleting a FID while in the FID leads to undesirable conditions. The user is stuck in the FID and all commands run generate an error message.	
Symptom: In VF mode, after deleting a FID system may get into undesirable state and, commands run generate an error	
Feature: Fabric Infrastructure	**Function**: Security-login
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000249827	**Technical Severity**: Medium
Summary: FOS still reports some FRU failures as link incidents on port 0xFF	
Symptom: FRU failures may be seen on a specific port in FICON environments.	
Feature: FICON	**Function**: MS-FICON
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000240647	**Technical Severity**: Medium
Summary: After FCoE login, FOS v6.1.2_cee does not filter packets with SRC-MAC=FCF-MAC.	
Symptom: This benign behavior is noticed only with negative test cases..	
Feature: CEE-FCOE	**Function**: FCOE DRIVER
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000249865	**Technical Severity**: Medium
Summary: Reboot of all 4 nodes in an Encryption Group (EG) with multiple rekeys pending resulted in new rekey sessions being unable to start.	
Symptom: Some of the pending/new rekey sessions are unable to start.	
Feature: Data Security	**Function**: Re-key
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243925	**Technical Severity**: Medium
Summary: IPFC address is shown instead of chasis IP address in SNMP Trap for Pluto switch	
Symptom: Since SNMP trap is not coming for Chasis ip address, we cant get any notification for Chasis IP like call home etc...	
Feature: Mgmt Embedded - SNMP	**Function**: Other

Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000248226	**Technical Severity**: Medium
Summary: Required detailed error description while the port enable/disable fails	
Symptom: When port disable/enable command fails, will see brief message indicating failure	
Feature: 8G Platform Services	**Function**: Partition Management
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000250031	**Technical Severity**: Medium
Summary: man page on "fcoelogingroup --create xxx" should replace allow-all by "allowall"	
Symptom: Help page reference for "fcoelogingroup --create xxx" may not be up to date	
Feature: Man Pages	**Function**: Edit/Correction/New
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000244915	**Technical Severity**: Medium
Summary: Pathinfo command failure occurs when run on FOS 6.1, if the path traverses through FOS 6.2.x.	
Symptom: Pathinfo from 6.1 to 6.2.x fails with "Destination Domain Unreachable".	
Feature: Fabric Infrastructure	**Function**: Mgmt Server
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000250749	**Technical Severity**: Medium
Summary: Brocade 8000 should be able to set enable password	
Symptom: Incorrect documentation for Brocade 8000 on setting enable password.	
Feature: CEE-MANAGEABILITY	**Function**: DOCUMENTATION
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000250438	**Technical Severity**: Medium
Summary: When Quality of Service (QoS) is enabled by default / not utilized, performance of the SAN drops. Disable QoS by default on 4G platforms, 8G long-distance and make portcfg values such as fill words, trunk information persistent across upgrade/downgrades.	
Symptom: QoS may automatically activate on an ISL after a bounce of the link. This may cause an ISL link to be removed from a trunk-group, or it may cause a Long Distance link to fail. Fillwords and porttrunk configuration are reset after upgrade to or download from FOS v6.2.	
Feature: Field Escalation	**Function**: ASIC Driver
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.1.2	

Defect ID: DEFECT000246007	**Technical Severity**: Medium
Summary: Detected termination of 0.weblinker.fcg:1315	
Symptom: switch panic/hafailover due weblinker.cfg panic. These panics were observed during overnight slot command script test, when modify/distribute ACL databse, and during RNID response processing.	
Feature: Mgmt Embedded - HTTP	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000251516	**Technical Severity**: Medium

Closed with Code Change in Fabric OS v6.3.0

Summary: LUN state became disabled with reason "Key not in sync" after 12 hour run of stress test KV link failure/restore with online rekey	
Symptom: Encryption LUN state becomes disabled.	
Feature: Data Security	**Function**: Key Vault
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245663	**Technical Severity**: Medium
Summary: Devices attached to AG are not considered as Virtual.	
Symptom: DCFM/weblinker report NPIV device as physical device.	
Feature: FC Services	**Function**: Name Server
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246123	**Technical Severity**: Medium
Summary: Brocade 5470: enclosureshow slotid display incorrect slot number when installed in BC E chassis	
Symptom: slot number displayed with enclosureshow is not correct.	
Feature: Embedded	**Function**: Platform
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0_emb	

Defect ID: DEFECT000245009	**Technical Severity**: Medium
Summary: Persistently disabled GE port on a Brocade FR4-18i blade becomes disabled after hafailover.	
Symptom: A GE port on a Brocade FR4-18i blade is persistently disabled. After that hafailover is initiated. Once the system comes up after failover, the persistenly disabled GE port is in disabled state and not disabled persistent state.	
Feature: FCIP	**Function**: FCIP HA
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000249409	**Technical Severity**: Medium
Summary: rcsd terminated on 5300 during a configDownload on all switches in the fabric	
Symptom: During configdownload may see rcsd process termination	
Feature: FC Services	**Function**: RCS
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000252901	**Technical Severity**: Medium
Summary: key id sate shows "key expired: Allowing data append" while key lifespan = 0 minute	
Symptom: key ID state may show "key expired: Allowing data append"	
Feature: Data Security	**Function**: Key Vault
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237521	**Technical Severity**: Medium
Summary: Rekey operation is restarted but hung after all the Encryption Engines (EEs) in the encryption group are rebooted.	
Symptom: Rekey operation hangs after all EEs are rebooted.	
Feature: Data Security	**Function**: Re-key
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.1.1_enc	**Service Request ID**: 358763

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000252945	**Technical Severity**: Medium
Summary: lun state shows target offline after disconnect/reconnected both initiator and target	
Symptom: LUN state show invalid status	
Feature: FC Services	**Function**: Name Server
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000251170	**Technical Severity**: Medium
Summary: Container(s) for hp4100 not ready for discoverLUN	
Symptom: After completing crypto configuration some hosts may not be ready for Discover LUN operation	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000253174	**Technical Severity**: Medium
Summary: Create 4 HP4100 containers cause CVLCD to crash on Mace61	
Symptom: Users may see CVLCd crash while creating containers	
Feature: Data Security	**Function**: CLI
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000253356	**Technical Severity**: Medium
Summary: FOS 6.2 Radius Calling-station-ID (31) implementation is used for both "device called by" and "workstation called from" hostname/IP address.	
Symptom: FOS 6.2 Radius Calling-station-ID (31) implementation is used for both "device called by" and "workstation called from" hostname/IP address. The radius calling-station-ID (31) should be used only for the hostname/Ip address from where the requested is made (workstation called from e.g. workstation) and a second attribute "CALLED-station-ID (30) should be used to identify the device that is called by the user (device called by e.g. switch)	
Feature: Fabric Infrastructure	**Function**: Security-RADIUS-LDAP
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 381133

Defect ID: DEFECT000253096	**Technical Severity**: Medium
Summary: Elara has issues interoperating with Foundry FCX and FESX LACP	
Symptom: LACP interop with Foundry FCS and FESX has error.	
Feature: CEE-LAYER2	**Function**: LACP
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000246733	**Technical Severity**: Medium
Summary: Pre-Discovery: Containers did not failback after firmware download to 6.2.0 D patch build 6	
Symptom: after firmwaredownload the encryption containers may not fail back as expected.	
Feature: Data Security	**Function**: HA Cluster
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247190	**Technical Severity**: Medium
Summary: FVT: DEK key on member node shows " waiting for new key from peer' after rekey	
Symptom: After rekeying operations member node may not show correct status.	

Closed with Code Change in Fabric OS v6.3.0

Feature: Data Security	**Function**: Key Vault
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000253137	**Technical Severity**: Medium
Summary: fdmid terminated quietly after 2.2 Elara run for a week while no operations executed but light background FCoE/FC traffic	
Symptom: May see FDMId process termination on 8000 switch	
Feature: CEE-FOS	**Function**: FC Services
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000237397	**Technical Severity**: Medium
Summary: When configdefault command entered portlog.ptdbgdisable should get a default value	
Symptom: configdefault command entered portlog.ptdbgdisable not showing up default value	
Feature: Platform Services	**Function**: Sys-Control/Environment Monitor
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000239874	**Technical Severity**: Medium
Summary: RFE: Port Admin: Port Bind should only require the middle 2 bytes, since the error message says the last 2 must be 0x00.	
Symptom: Port Bind should only require the middle 2 bytes, since the error message says the last 2 must be 0x00	
Feature: WebMgmt	**Function**: Ports Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000253060	**Technical Severity**: Medium
Summary: Switches bouncing between reachable/unreachable in edge fabric after change EX port trunk into E port trunk	
Symptom: Fabric becomes unstable after cusotmer change EX trunk ports into E port.	
Feature: Field Escalation	**Function**: ASIC Driver
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 381303

Defect ID: DEFECT000254283	**Technical Severity**: Medium
Summary: Following a reboot of all nodes in an Encryption Group (EG) with current and pending rekeys, single rekey session did not resume	
Symptom: After manually issuing a re-key operation on all LUNs, rebooting all nodes at once can cause the re-key attempt to lock up and fail.	
Feature: Data Security	**Function**: Re-key
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238151	**Technical Severity**: Medium
Summary: verify fab_ha.c line 5206 on 10G Adva link connect	
Symptom: cp reboot	
Feature: FC10-6 Platform Services	**Function**: High Availability
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000242607	**Technical Severity**: Medium
Summary: "Enable Inactive port" tab in the EZmanager has to be disabled for the Brocade 8000.	
Symptom: Since the Brocade 8000 does not require a license to enable the port, by default all the ports are active.	
Feature: WebMgmt	**Function**: Web Tools EZ
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000243749	**Technical Severity**: Medium
Summary: Brocade 300 not responding to Link Reset primitives correctly	
Symptom: Devices may send an OLS and/or link reset	
Feature: 8G ASIC Driver	**Function**: C2 ASIC driver
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000251322	**Technical Severity**: Medium
Summary: When a trunk master port is disabled, fabric watch incorrectly sets the new trunk master's health to offline, and remote side to faulty even though port is online	
Symptom: Webtool dispaly problem without real functionality impact. Port is on line and pass traffic fine.	
Workaround: New master incorrectly reported as offline or faulty after trunk master disable. No workaround, hafailover can be used as recovery	
Feature: Field Escalation	**Function**: Management Services
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2	**Service Request ID**: 377701

Defect ID: DEFECT000246504	**Technical Severity**: Medium
Summary: CAL Response for Brocade_ISL CAL class is returning wrong port information in case of Edge to Backbone Device Sharing(When TD is available in FCR fabric).	
Symptom: From management interface some queries may return incorrect port information	
Feature: Mgmt Embedded - CAL	**Function**: FCR
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2	

Defect ID: DEFECT000245551	**Technical Severity**: Medium
Summary: Admin account should not allow directory delete operations in Sabre 7600 BP	
Symptom: Admin account login on 7600 BP can remove directory.	
Feature: Field Escalation	**Function**: OS: Infrastructure
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000248796	**Technical Severity**: Medium
Summary: Console is not accessible on Brocade 5480.	
Symptom: Users may not be able to access switch console on Brocade 5480 embedded switch	
Feature: Embedded Platform Services	**Function**: Bulova
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246527	**Technical Severity**: Medium
Summary: Blade fault observed with a Brocade 48000 chassis fully loaded with fully loaded 8G 48-port blades.	
Symptom: The 8G 48-port blade running in either slots 1 or 10 of a fully loaded Brocade 48000 chassis was faulted. Fault only observed when all port blades are 8G 48-port blades.	
Feature: Field Escalation	**Function**: ASIC Driver

Closed with Code Change in Fabric OS v6.3.0

Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000239082	**Technical Severity**: Medium
Summary: Deleted offline/inactive device using zone validate window in EZmanager is not replicated in CLI	
Symptom: Zone changes from EZ manager is not getting reflected in CLI for offline/inactive devices.	
Feature: WebMgmt	**Function**: Web Tools EZ
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000248920	**Technical Severity**: Medium
Summary: Brocade Encryption Switch and FS8-18 does not support encrypted LUNs >2TB	
Symptom: Would not be able to add disk LUNs larger than 2TB to any CTC.	
Workaround: No	
Feature: Data Security	**Function**: Disk Encryption
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242647	**Technical Severity**: Medium
Summary: Switch Admin: Proper error message should pop up when disabling of FCoE in a VLAN fails	
Symptom: User will not know why FCoE didnt get disabled for the particular VLAN	
Workaround: User will have to view the switch events to know the reason for failure.	
Feature: WebMgmt	**Function**: Switch Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000257554	**Technical Severity**: Medium
Summary: Brocade 5424 FC8 IOM traffic is interrupted during CMC failover event	
Symptom: The CMC booting up from failover writes link tuning information to the IOM, which inadvertently causes the IOM to suffer link issues.	
Feature: Embedded Platform Services	**Function**: Superhawk2
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.1	

Defect ID: DEFECT000238430	**Technical Severity**: Medium
Summary: Switch panic when supportsave read invalid data on GE ports without FC Fastwrite enabled.	
Symptom: Unexpected switch panic. This is a very rare case happened once and was unable to recreate with many rounds of supportsave.	
Feature: Field Escalation	**Function**: FCIP Flipper/ASIC
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 361287

Defect ID: DEFECT000237514	**Technical Severity**: Medium
Summary: Firmware downgrade from FOS v6.2.0 to v6.1.0 sometimes causes an unresponsive console, which requires a switch power cycle to recover.	
Symptom: Customer loses access to the console. No functional impact. After power cycling the switch, the console access is back and firmwaredownload process completes properly. Issue seen during downgrade from 6.2 -> 6.1 when firmwaredownload -sb between 6.2 <-> 6.1 with auto-reboot enabled is done multiple times and mostly on Brocade 7500 switch. Telnet sessions are still fully operational.	

Closed with Code Change in Fabric OS v6.3.0

Workaround: 1. Avoid using firmwaredownload -sb i.e. avoid auto-reboot. Use firmwaredownload -s and then do a manual reboot. 2. Need to power cycle the switch. The switch functions properly after power cycle with normal access to the telnet session.	
Feature: High Availability	**Function**: Switch hareboot/HCL
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244112	**Technical Severity**: Medium
Summary: Rekeyed LUNs are in "Not Ready (Getting key from archive)" state when the key vault goes down and does not recover.	
Symptom: LUNs are stuck in the "Not Ready (Get key from archieve)" even after the key vault is brought back online. LUNs can't be recovered even after removing and re-adding them from/to the target container.	
Feature: Data Security	**Function**: Key Vault
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 371327

Defect ID: DEFECT000242728	**Technical Severity**: Medium
Summary: Web Tools Zone Admin “Add member” button is always disabled.	
Symptom: Within the Add Ti Zone window, the "Add member" button does not function.	
Workaround: User can add members with the “Add other” button.	
Feature: WebMgmt	**Function**: Zone Admin
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236682	**Technical Severity**: Medium
Summary: In non-VF mode on DCX, after removing other filters (EE and F_Port TT) and enabling Fabric mode TopTalkers, the flow values are not reliable.	
Symptom: Switching from “EE or F_Port TT” to “Fabric mode TT” will show inaccurate flow values.	
Feature: Fabric Infrastructure	**Function**: Advanced Performance Monitor
Probability: Low	**Risk of Fix**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000240658	**Technical Severity**: Medium
Summary: HA Failover on DCX caused: Need to reboot the system for recovery, reason: System bring up timed out	
Symptom: Customers switch reboots	
Workaround: Need to mannually block/unblock a E-port to rebuild fabric	
Feature: FC Services	**Function**: Fabric
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243292	**Technical Severity**: Medium
Summary: In Access gateway mode,Port swap and Enable/Disable NPIV option is enabled in Webtools	
Symptom: Port swap and Enable/Disable NPIV option will be enabled via UI	
Feature: WebMgmt	**Function**: AG Support
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243244	**Technical Severity**: Medium
Summary: As DCFM polling LUNs, the memory usage for weblinker is increased	
Symptom: Memory consumption goes high	

Closed with Code Change in Fabric OS v6.3.0

Feature: Data Security	**Function**: Infrastructure
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243402	**Technical Severity**: Medium
Summary: FDMI: fdmid crashes when a brocade HBA with virtual ports is connected to a Saturn	
Symptom: fdmid crashes and HA failover is happening	
Workaround: Logout all the devices registered their HBA info and log them in after the fabric is stable	
Feature: FC Services	**Function**: FDMI
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243076	**Technical Severity**: Medium
Summary: Brocade 8000 firmware download hot code load shows no identifier in the HTML page.	
Symptom: Need an identifier (NVP) in the switch HTML page.	
Feature: CEE-FOS	**Function**: MAPS/SFI
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000237196	**Technical Severity**: Medium
Summary: Unable to activate a new PDCM Matrix with Webtools	
Symptom: When activating saved PDCM Matrix from 'Activate CUP Port Connectivity Configuration' dialog in WebTools, with "Active=Save Mode" checked, WebTools displays error.	
Workaround: Activate the same PDCM Matrix from WebTools, with "Active=Save Mode" checked from 'Edit CUP Port Connectivity Configuration' window.	
Feature: FICON	**Function**: Ficud
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239745	**Technical Severity**: Medium
Summary: VCM don't have GUI capability to change SNMP read community configuration.	
Symptom: From VCM user cannot change SNMP read community configuration	
Feature: Access Gateway	**Function**: HPVCM
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000243429	**Technical Severity**: Medium
Summary: 5300: Removing any power supply FRU causes fans to speed up for a short period (which is not expected)	
Symptom: When testing hot plug of power supplies on the 5300 platform, the user can hear the fans increase in speed as an unexpected consequence of removing the power supply FRU. There is no other symptom or related event log.	
Feature: System Controls/EM	**Function**: Thor/Spirit/Tomahawk
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000240616	**Technical Severity**: Medium
Summary: The SFP parameters are not returning for the ports which are under the logical switches other than the default logical switch.	
Symptom: In logical switch context SFP parameters are not returned.	
Feature: WebMgmt	**Function**: Other

Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242561	**Technical Severity**: Medium
Summary: ptsupportshow -all does not function properly.	
Symptom: The ptsupportshow -all command is unable to determine the slots and ports to run the commands against on the switch.	
Workaround: Specify the slot number for which the command is directed. For example, ptsupportshow 1 -all command to see all ports on blade 1.	
Feature: FA4-18 Platform Services	**Function**: MISC
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241454	**Technical Severity**: Medium
Summary: WEBLINKERFCGD core files after weekend SAK/IRNDUP run on DCX-4S	
Symptom: Customer may see Weblinker crash during SAK/IRUNDUP on DCX-4S	
Feature: Mgmt Embedded - HTTP	**Function**: Other
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238433	**Technical Severity**: Medium
Summary: Applications cannot distinguish between FA4-18 and Core blades on DCX using SNMP. Need to add two new FRU classes: "coreblade" and "applicationblade" class.	
Symptom: Applications cannot distinguish between FA4-18 and Core blades using SNMP.	
Feature: Mgmt Embedded - SNMP	**Function**: Switch Admin
Probability: High	**Risk of Fix**: Medium
Found in Release: FOS6.1.0	

Defect ID: DEFECT000243885	**Technical Severity**: Medium
Summary: Switch panic in ficon enviormnet when blocking/unblocking E-Port due to RNID data count is incorrect.	
Symptom: Observe msd panic during RNID processing.	
Feature: FICON	**Function**: MS-FICON
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242209	**Technical Severity**: Medium
Summary: Switch Admin: when user moves to a different tab without applying changes, no warning is displayed.	
Symptom: Unsaved configurations will be lost, and the user will need to re-enter the data.	
Feature: WebMgmt	**Function**: Switch Admin
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000240413	**Technical Severity**: Medium
Summary: Performance Monitoring: Error message is shown when launching SCSI Read/Write on a LUN Per port graph.	
Symptom: The error message makes it so the user will not be able to see the SCSI Read/write Graph.	
Feature: WebMgmt	**Function**: Performance Monitor
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000240677	**Technical Severity**: Medium
Summary: Enabled minimum FOS support for DWDM-SFP port media.	
Symptom: No visible symptom. Enabled new SFP support.	
Feature: Pluto Platform Services	**Function**: SysCtrl/EM
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244738	**Technical Severity**: Medium
Summary: Re-keys are getting stuck	
Symptom: Re-key progress halts.	
Feature: Data Security	**Function**: Re-key
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243510	**Technical Severity**: Medium
Summary: DCX: configdownload: simple upload/download (switch enabled) complaining about FID 128 and will not download with switch enabled	
Symptom: VF disabled after configupload/configdownload.	
Feature: Infrastructure	**Function**: Config Download
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238062	**Technical Severity**: Medium
Summary: Switch Admin: CEE: NPE is shown in error message when user applies a new FCoE login group (with Login management disabled.)	
Symptom: User is not informed why the login group could not be created.	
Workaround: User has to execute the CLI command fcelogincfg before using Web Tools to create the login groups.	
Feature: WebMgmt	**Function**: Switch Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000244026	**Technical Severity**: Medium
Summary: pertperfshow does not display decimal data if overall throughput exceeds 10Gbps.	
Symptom: For example, the user will see the overall throughput as 11G, instead of 11.6G.	
Feature: CEE-FOS	**Function**: Platform Services
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000238321	**Technical Severity**: Medium
Summary: a switch restart causes random ICL E-Ports to come up "segmented"	
Symptom: After a chassis restart (power cycle or reboot of both CPs) one or more ICL E-Ports will be segmented.	
Workaround: Port toggle when it gets segmented.	
Feature: FC Services	**Function**: Fabric
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243068	**Technical Severity**: Medium
Summary: When running FCoE traffic, debug_csock_read_header failures message displays.	
Symptom: The traffic is not affected, but a message is displayed on the console.	
Feature: CEE-MANAGEABILITY	**Function**: CLI

Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000243248	**Technical Severity**: Medium
Summary: Fabric Watch: The FRU status does not auto-refresh after removal/insertion of the FRU.	
Symptom: User will not know the current status of the FRU after removal/insertion.	
Workaround: Close and re-open Fabric Watch.	
Feature: WebMgmt	**Function**: Fabric Watch
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000243843	**Technical Severity**: Medium
Summary: FCoE frames from any SMAC are incorrectly passed to the FC side.	
Symptom: The MAC address of the ENode is not checked.	
Feature: CEE-FCOE	**Function**: FCOE DRIVER
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000245047	**Technical Severity**: Medium
Summary: Switchname mismatch between GUI display and CLI.	
Symptom: The switchname displayed by DCFM and Web Tools could be different.	
Feature: 8G Platform Services	**Function**: PID management
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244930	**Technical Severity**: Medium
Summary: Issues with Brocade MIB objects with ifSpeed returns wrong value, ifOutUcastPkts, ipAdEntReasmMaxSize, ipRouteAge, ipRoutingDiscards, snmpSilentDrops, snmpProxyDrops needs to be documented	
Symptom: Brocade MIB object ifSpeed may return wrong value; some missing objects from documentation	
Feature: Tech Pubs	**Function**: Others
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000236287	**Technical Severity**: Medium
Summary: After cfgdefault and migration from IM0 to IM2, all switches are setting idid bit in ESA, when idid is not enabled	
Symptom: All switches in the fabric segment with an indication of "Security Violation". Examination of the fabric shows that all switches share identical FWCP and Security Policies, and that all are configured with idid off.	
Workaround: Fabric can be merged by disabling the switches and setting idid mode in the switch configurations, then bringing the switches online. This option is applicable only in the event the user wishes to merge the switch to a fabric that also has idid set.	
Feature: FC Services	**Function**: Fabric
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245126	**Technical Severity**: Medium
Summary: syshutdown: execution of command in current build yields only "this is a unknown system" string on session consoles	
Symptom: sysshutdown command is not available.	

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Feature: RAS	**Function**: FFDC/Supportsave
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235257	**Technical Severity**: Medium
Summary: Cannot use “fwconfigure” to view the information on internal F/FL ports (Copper)	
Symptom: When issuing "fwconfigure" command and selecting option 6, the following error message appears - ERROR:No threshold available Press <Enter> to return to previous menu	
Feature: Embedded	**Function**: Platform
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.0_emb	

Defect ID: DEFECT000245157	**Technical Severity**: Medium
Summary: internal routes are not being configured	
Symptom: Customer observed "FAILED!!:Reason ROUTE_ABSENT" in the RTE log	
Feature: Field Escalation	**Function**: ASIC Driver
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1	**Service Request ID**: 372777

Defect ID: DEFECT000236299	**Technical Severity**: Medium
Summary: Port state mismatch on internal copper ports on Embedded platforms between switchshow and portcfgshow's PersistentDisable flag	
Symptom: portcfgshow disable "persistent disable"state while port is enabled.	
Feature: Field Escalation	**Function**: ASIC Driver
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS5.3.0	**Service Request ID**: 346445

Defect ID: DEFECT000245840	**Technical Severity**: Medium
Summary: The Distribute Policy option is missing from the SCC and DCC tabs in web mgmt	
Symptom: screenshot uploaded	
Feature: WebMgmt	**Function**: ACL
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245609	**Technical Severity**: Medium
Summary: Supportshow cli command output should complete without having to hit CR several times.	
Symptom: Supportshow output requires user intervention during output.	
Feature: Fabric Infrastructure	**Function**: Security-authentication
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245642	**Technical Severity**: Medium
Summary: FVT: lun state never changed from write metadata to enable after GE port enable	
Symptom: After GE port enable lun state may not get changed.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235486	**Technical Severity**: Medium
Summary: Urouteshow will lag for several seconds at a time while displaying the route info	

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Symptom: A 2-4 second lag may be noticed when running the CLI urouteshow. This lag will be longer on products with larger port counts such as the DCX.	
Feature: Logical Fabric	**Function**: FSPF
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245865	**Technical Severity**: Medium
Summary: A LUN gets stuck in the Internal EE LUN State: Read Only (Internal metadata key is in RO state).	
Symptom: LUN will not be available for Host until the DiscoverLUN is issued	
Feature: Data Security	**Function**: Disk Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245980	**Technical Severity**: Medium
Summary: After changing to non-FCS primary policy, web client can still activate ACL policy	
Symptom: enter vf_context 10 show adv. mode sec. policies select fcs move FCS switch apply & activate select scc edit select a policy and delete (another bug here, all items disappear) activate policy is applied even though switch is not FCS primary.	
Feature: WebMgmt	**Function**: ACL
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244615	**Technical Severity**: Medium
Summary: Web Tools shows high CPU usage (~80%) when port configuration operation is performed in DCX	
Symptom: CPU usage in Web Tools is showing high (70% – 80%) when port configuration operation is performed on a large system.	
Feature: WebMgmt	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245846	**Technical Severity**: Medium
Summary: FICON fcip block count mismatch on read emulation.	
Symptom: Tape repositioning may be incorrect when split status responses received to backspace block commands.	
Feature: FCIP	**Function**: FCIP I/O
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245639	**Technical Severity**: Medium
Summary: Unable to enable FMS Mode using webtools on a DCX-4S with a 48 port blade	
Symptom: Customer may not be able to enable FMS mode although configuration is supported	
Feature: Mgmt Embedded - CAL	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243717	**Technical Severity**: Medium
Summary: Node descriptors are not shown for M-EOS switch in DCFM when using FOS switch as the seed switch.	
Symptom: The node descriptors are not shown for the Mi10k in DCFM when using FOS switch as the seed switch.	
Feature: Mgmt Embedded - CAL	**Function**: Other

Closed with Code Change in Fabric OS v6.3.0

Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246552	**Technical Severity**: Medium
Summary: get error CHASSIS, ERROR, SYS, FPGA error, DECRYPT_DECOMPRESS_FAIL : Cmd 0x932b6000, Myxid 0x6b3, PI/PT 0x41d00/0x41acc, Lun 0, PIOxid 0x131 PTRxid and the tape drive is brought offline when labling a tape using TSM application	
Symptom: When using specific tape applications in an encryption envrionment users may see error messages on the switch console	
Workaround: Erase the media outside of mace and then continue on with label.	
Feature: Data Security	**Function**: Tape Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246694	**Technical Severity**: Medium
Summary: [NSM] show message-stats command is missing mark option	
Symptom: show message-stat command under cmsh is not showing mark option.	
Feature: CEE-Protocol	**Function**: NSM
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000239404	**Technical Severity**: Medium
Summary: Port Admin: Cannot able to enable Fastwrite option for the specified port in 7500E	
Symptom: FC Fastwrite option enable for 7500E through WebTool does not work.	
Feature: WebMgmt	**Function**: Ports Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241157	**Technical Severity**: Medium
Summary: Detail view of Webtools Name Server Information should be greyed out if no window will open	
Symptom: Some of the buttons may not be greyed even if the clicking on the button will not open another window.	
Feature: WebMgmt	**Function**: WT Platform Support
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 366371

Defect ID: DEFECT000242139	**Technical Severity**: Medium
Summary: Ports were found disabled after enabling Virtual Fabric (VF) through DCFM on Brocade 5100.	
Symptom: Some ports may be disabled after enabling VF through DCFM.	
Feature: FICON	**Function**: Ficud
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247028	**Technical Severity**: Medium
Summary: Fabric watch: (java.lang.illegalArgumentException:Invalid logid) error message box will appear when selecting Configuration report sub-tab under Threshold configuration tab.	
Symptom: User cannot view the overall trait, alarm and element configuration in configuration report panel	
Feature: WebMgmt	**Function**: Fabric Watch
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000245891	**Technical Severity**: Medium
Summary: Port Movement from DCFM should be All-or-nothing behavior.	
Symptom: When attempting to move ports from DCFM, some of the ports may be moved and others fail.	
Feature: Mgmt Embedded - CAL	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246459	**Technical Severity**: Medium
Summary: SCPD computes incorrect FCR domain ID in McDATA Fabric Mode (interopMode 2)	
Symptom: In Inter-op mode fabrics users may see incorrect FCR Domain ID values.	
Feature: FA4-18 Platform Services	**Function**: MISC
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243145	**Technical Severity**: Medium
Summary: No external Ethernet port association for pre-FIP FLOGI/FDISC unicast frames.	
Symptom: If FCF unicast FLOGI/FDISC frames are sent to the Brocade 8000, they are not associated with an external L2 TE port.	
Feature: CEE-FCOE	**Function**: FCOE DRIVER
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000247663	**Technical Severity**: Medium
Summary: Observed frame drops and IFCCs with lossless feature.	
Symptom: Lossless DLS failed with dropped frame causing IFCC in presence of ICLs.	
Feature: 8G Platform Services	**Function**: Routing
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247642	**Technical Severity**: Medium
Summary: Brocade Encyption Switch(BES) panic because KACd memory leak with multiple get key operation	
Symptom: Under certain conditions memory leak on BES users may see termination of KACd process.	
Feature: Data Security	**Function**: Key Vault
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247244	**Technical Severity**: Medium
Summary: FR zones cannot be created when defzone is set to "allaccess"	
Symptom: Redirect zone add will fail of defzone is set to "allaccess"	
Workaround: Set defzone to "noaccess"	
Feature: FC Services	**Function**: Zoning
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246011	**Technical Severity**: Medium
Summary: Brocade 5470: After set "External Port = Disable" from MM, and reboot the switch, all external ports become enable again.	
Symptom: External ports become enabled after configuring them to be disabled through MM.	
Feature: Embedded	**Function**: Platform
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0_emb	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000245170	**Technical Severity**: Medium
Summary: lfcfg command shows incorrect data	
Symptom: lfcfg on differnt switches shows different result due to lfcfg does not discard invlaid LS node.	
Feature: Logical Fabric	**Function**: Fabric Other
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242630	**Technical Severity**: Medium
Summary: Switch Admin: Policies which are not chosen are showned in confirmation page of ACL Policy configuration wizard	
Symptom: Even after unchecked the policied, it is showing in the confimation page.	
Feature: WebMgmt	**Function**: Switch Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000226734	**Technical Severity**: Medium
Summary: When attempting to swap ports from the GUI, the operation may fail due to HTTP 500 error	
Symptom: Port Swap failing due to HTTP 500 error	
Workaround: No	
Feature: Mgmt Embedded - HTTP	**Function**: Ports Admin
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000239288	**Technical Severity**: Medium
Summary: agd aborted due to *** glibc detected *** free(): invalid next size (fast) ..	
Symptom: User may see AG daemon termination.	
Feature: Field Escalation	**Function**: Access Gateway
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 362289

Defect ID: DEFECT000244394	**Technical Severity**: Medium
Summary: DWDM link unable to sync up before port is enabled at correct speed.	
Symptom: Concurrent DCX reboots of both ends of a DWDM link cause the link to fail to come up.	
Feature: Field Escalation	**Function**: ASIC Driver
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000234512	**Technical Severity**: Medium
Summary: Bad SFP triggered i2c access cause issues on port/slot disaplay and cpu load on Brocade 48k	
Symptom: "no system control access to slot" when perform slotshow, "Mod_val" during sfpshow or may see i2c access message as: [EM-1029], 7240,, WARNING, SilkWorm48000, Slot 4, a problem occurred accessing a device on the I2C bus (-4). Operational status (10) not changed	
Feature: Field Escalation	**Function**: EM / Hil / Sysctrl
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS5.3.0	

Defect ID: DEFECT000231094	**Technical Severity**: Medium
Summary: cryptocfg show transshow when issued without any outstanding transactions displayed Operation "failed" with an incorrect cause.	

Closed with Code Change in Fabric OS v6.3.0

Symptom: Customer will observe an incorrect explanation regarding the "failure" of the transshow command. A better msg would be to display "no outstanding transactions" and drop "failure".	
Feature: Data Security	**Function**: CLI
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237767	**Technical Severity**: Medium
Summary: Sequence of creating two TI zones, not saving the change and then modifying the attributes with the "zone --add" command results in misconfigured attributes that will cause software verify on remote switches when changes are commited.	
Symptom: Remote switchs will trigger software verify and the TI zone attributes will not be properly configured.	
Workaround: Other methods of creating TI Zones and modifying the definitions work seamlessly. Its just this odd set of steps which produce the failing condition. When creating multiple TI zones, they should be saved before modifying the attributes. Can clean up problem by using zone --add to modify the attributes again after the save. Can also delete and recreate TI zone.	
Feature: FC Services	**Function**: Zoning
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238916	**Technical Severity**: Medium
Summary: Specific call to CEE library results in gradual memory leak.	
Symptom: Gradual loss of available memory.	
Feature: Mgmt Embedded - CAL	**Function**: Other
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237866	**Technical Severity**: Medium
Summary: Getting ms_ficon errors on console of core DCX in Mcdata NI after reboots	
Symptom: After a switch reboot a customer may see FICON related error messages on switch console (in inter-op mode only).	
Feature: FICON	**Function**: MS-FICON
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238371	**Technical Severity**: Medium
Summary: configdownload fails with Lsan tag download failed: Duplicate tag <tagname> when enforce and speed tag names overlab	
Symptom: If a customer does a configdownload to restore his lsan tags it fails if there is a enforce tag and speed tag with the same name (overlap).	
Workaround: Use CLI to add the tag names back onto the FCR switch	
Feature: 8G FCR	**Function**: FCR Daemon
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237930	**Technical Severity**: Medium
Summary: In IM2 mode, FC address is shown without offset in switch.html and portshow (cli), but shown with offset in switchshow	
Symptom: Cosmetic issue where a user will see a different Port ID in WT/DCFM	
Feature: Mgmt Embedded - HTTP	**Function**: Other
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000237798	**Technical Severity**: Medium
Summary: ipaddrset command to set Lance GE ports IP address is non-responsive. Must reboot active CP to activate IP.	
Symptom: Following the removal or relocation (move from one slot to another) of an FS8-18 blade from the chassis, any invocation of the ipaddrset CLI will appear to hang for a long period of time (10 minutes). An IPAD-5000 raslog will be generated at the end of that time period. Attempts to change IP addresses via ipaddrset or other management interfaces will likely fail.	
Workaround: The following should work. Following any removal or relocation of an FS8-18 blade from any chassis slot, do an hafailover to cause the standby CP to become active. This should be done even if no change in chassis IP addresses is required as other problems could be otherwise encountered, depending on network configuration.	
Feature: OS Services	**Function**: IP Admin
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242074	**Technical Severity**: Medium
Summary: Optimized SERDES setting for Brocade 5480.	
Symptom: Improved performance	
Feature: 8G ASIC Driver	**Function**: GE2 ASIC ports
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236991	**Technical Severity**: Medium
Summary: If TI zone operations are performed simultaneously on different switches, active CP may failover due to termination of Name server module	
Symptom: User might notice the message "Detected termination of nsd:4248 (1)" on console and the Active CP will failover.	
Workaround: No workaround needed, the DCX CP fails over non-disruptively and retains all configuration data.	
Feature: FC Services	**Function**: Name Server
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000228340	**Technical Severity**: Medium
Summary: 4G switch running at fixed 2G speed may not respond to FLOGI from HBA using auto-speed negotiation.	
Symptom: Switch will not respond to a FLOGI with an ACC and just transmits an ELP when the port comes online.	
Workaround: Lock the port to fixed speed	
Feature: Field Escalation	**Function**: ASIC Driver
Probability: High	**Risk of Fix**: Low
Found in Release: FOS5.3.0	**Service Request ID**: 335517

Defect ID: DEFECT000234950	**Technical Severity**: Medium
Summary: Detected termination of management server daemon during stress testing on DCX with 8 logical switches	
Symptom: In a chassis with MS platform services enabled with 8 Logical Switches, issuing bladedisable followed by hafailover could result in termination of management server daemon.	
Workaround: Wait for system to stabilize after executing bladedisable and before issuing hafailover or disable MS platform services while performing stress testing.	
Feature: Fabric Infrastructure	**Function**: Mgmt Server
Probability: Low	**Risk of Fix**: High
Found in Release: FOS6.2.0	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000238161	**Technical Severity**: Medium
Summary: FOS-FVT- If a Read is Sent Busy Status and the Subsequent Seek is also Sent Busy, Mis-Compares To the Host	
Symptom: Under some corner case scenarios users may see data miscompares	
Feature: Data Security	**Function**: Tape Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235166	**Technical Severity**: Medium
Summary: Downloading config file between switches causes license lost	
Symptom: If a config download file with licenses is used on a different switch, the licenses on that switch will be overwritten with invalid licenses.	
Workaround: Do the following to back up licenses: 1. Execute licenseshow command save the licenses into a file outside the switch. 2. Then perform configdownload. 3. Add the licenses saved in step one.	
Feature: License	**Function**: License
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235727	**Technical Severity**: Medium
Summary: Inconsistent display of urouteshow trying to map to invalid FCR user port while topologyshow is not showing those routes.	
Symptom: Inconsistent route display of urouteshow and topologyshow for an invalid FCR port. No functional impact.	
Feature: FC Services	**Function**: FSPF
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237198	**Technical Severity**: Medium
Summary: FOS upgrade on Brocade 3016 to FOS v5.3.x leaves the switch in an unusable state.	
Symptom: Customer was upgrading Brocade 3016 from FOS v5.0.x to v5.3.x and some units would not boot up afterword. After login, limited commands are available and switch fails cold recovery.	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS5.3.1	

Defect ID: DEFECT000237446	**Technical Severity**: Medium
Summary: If user account on RADIUS server is set up with only Chassis level role as primary, but it is not on the LF role list, the user cannot login.	
Symptom: User cannot login.	
Workaround: Specify LF role list in the RADIUS server for the account.	
Feature: Fabric Infrastructure	**Function**: Security-RADIUS-LDAP
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238220	**Technical Severity**: Medium
Summary: Missing Pause and Resume for EX port having I10K Edge Fabric in 239 Domain - works for domain 209-238	
Symptom: Pause and Resume frames works for Domain IDs other than 239	
Feature: Legacy FCR (7500/FR4-18i)	**Function**: FCR Daemon
Probability: Medium	**Risk of Fix**: Low

Found in Release: FOS6.2.0	

Defect ID: DEFECT000237511	**Technical Severity**: Medium
Summary: While performing security related fabric wide operations if fabric becomes unstable, user might observe verify on standby.	
Symptom: User will observe the following RASLOG message on standby: 2008/12/03-01:18:00, [SEC-1317], 912, SLOT 5 | FID 21, INFO, switch_21, Inconsistent fabric, rejecting transaction User will not be able perform any fabric wide operations until system recovers.	
Workaround: System will recover.	
Feature: Fabric Infrastructure	**Function**: Security-other
Probability: Medium	**Risk of Fix**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237999	**Technical Severity**: Medium
Summary: Setting the E-Net portname on the Primary CP does not get copied over to the standby CP	
Symptom: When configuring the E-net ports on CP blades. Using ipaddrset command The first option is to name the E-net port. If you are doing the Config from CP 0 then the E-net ports get named. Ex. CP0 E-net portname = 48k_Eth_0 and CP1 = 48k_Eth_1 Then complete all other IP stack info. Now perform an HAFailover and log into CP 1. when you run the ipaddrshow command all of the IP config is transferred over except for the E-net portname. The work around is to run the ipaddrset command again from CP1 and add the E-net portname, but don't change any other IP stack info.	
Feature: Field Escalation	**Function**: High Availability
Probability: High	**Risk of Fix**: Low
Found in Release: FOS5.3.0	

Defect ID: DEFECT000237513	**Technical Severity**: Medium
Summary: NPIV devices on a single port are spread across effective and McData default configurations, only devices from default configuration can establish communication.	
Symptom: When NPIV devices from same port are spread across the effective cfg and McData default, only PIDs from default zone are shown up via portcamshow instead of the PIDs in effective cfg.	
Workaround: Do not overlap effective and default zones on the same NPIV port, following best practices guidelines.	
Feature: FC Services	**Function**: Name Server
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237549	**Technical Severity**: Medium
Summary: Access Gateways connected to EOSc in a mixed fabric (FOS and EOS) are not shown in DCFM	
Symptom: Missing AG information in DCFM if AG is connected to EOS switch in mixed fabric	
Feature: Fabric Infrastructure	**Function**: Mgmt Server
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000237591	**Technical Severity**: Medium
Summary: Not able to add EE monitor on port 1 after firmwareupgrade from 6.1.0c to 6.2.0 on 7500	
Symptom: After firmwareupgrade from 6.1.0c to 6.2.0, if customer adds EE monitors, may see error message "Invalid argument or Resource not available".	
Feature: Fabric Infrastructure	**Function**: Advanced Performance Monitor
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237869	**Technical Severity**: Medium

Closed with Code Change in Fabric OS v6.3.0

Summary: nsinfo.htm returns NPIV info as Physical if non-VF switch is connected to VF enabled platform	
Symptom: DCFM will show the device as physical device instead of npiv device.	
Feature: FC Services	**Function**: Name Server
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238591	**Technical Severity**: Medium
Summary: CP experienced a kenel panic "Oops: kernel access of bad area, sig: 11 [#1]"	
Symptom: Very rare corner case, a port reset at the same time as an end to end plogi is being processed or during a plogi storm, can lead to a kernel panic "Oops: kernel access of bad area, sig: 11 [#1]" and sometimes cold recovery.	
Feature: Field Escalation	**Function**: FC Layer 2 Routing
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 361517

Defect ID: DEFECT000238490	**Technical Severity**: Medium
Summary: Fruclass in fru table and fruhistoryclass in fruhistorytable of HA MIB shows other(1) for CP slot instead of cp(4) for DCX and Pluto.	
Symptom: Misleading Fruclass in frutable and fruhistoryclass in fruhistorytable of HA MIB for DCX and Pluto.	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238555	**Technical Severity**: Medium
Summary: CPstatus change trap is not generated on issuing HA failover for 48k but the failover happens and the CP status change oid returns changed values.	
Symptom: CPstatus change trap is not generated during HA failover on 48K.	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236289	**Technical Severity**: Medium
Summary: FOS CLI doesn't allow Port fencing policy addition for F_Port when there are no F_ports on the switch.	
Symptom: Customer will not be able to configure F_Port port fencing policy when switch doesn't have F ports. Customer needs to explicitly configure F_Port port fencing policy only after bringing up F port on a switch.	
Workaround: A. DCFM can be used to add the port fencing policy for F_Port B. Existing FOS CLI can always be used to add port fencing policy after bringing up F_Port on a switch. Adding port fencing policy for F_Port makes sense only when there are F ports on a switch and anyway the existing CLI behaviour takes care of this.	
Feature: Fabric Infrastructure	**Function**: Fabric Watch
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238345	**Technical Severity**: Medium
Summary: Not getting gige ports while performing EnumerateAssociatedInstances on Brocade_LogicalSwitch	
Symptom: GE port information are not returned while performing EnumerateAssociatedInstances	
Feature: Mgmt Embedded - CAL	**Function**: VF
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000235429	**Technical Severity**: Medium
Summary: Switch doesn't commit after firmwareDownload fail as 0x23 (time out).	
Symptom: Firmwareupgrade fails in a very small window when active CP did not wait for standby CP to timeout before recover it.	
Workaround: perform repair of the partition manually (firmwarecommit -f) and then rerun firmwaredownload.	
Feature: Field Escalation	**Function**: Firmware Download
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1	**Service Request ID**: 351295

Defect ID: DEFECT000238631	**Technical Severity**: Medium
Summary: Appropriate message is not shown in the message box, when the "Details" button in the "Service" tab of "HA" window is clicked.	
Symptom: Because of this defect customer will not come to know about the status of the stand by CP.	
Feature: WebMgmt	**Function**: High Availability
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238680	**Technical Severity**: Medium
Summary: High Availability: The error message thrown is not relevant or meaningful, when the values for E_D_TOV and R_D_TOV in the “Configure” tab of “Switch admin”, are changed	
Symptom: Error message will be thrown to the user, even if He/She, enters a valid value for E_D_TOV & R_D_TOV	
Feature: WebMgmt	**Function**: High Availability
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238795	**Technical Severity**: Medium
Summary: Incorrect output from agshow command.	
Symptom: Agshow from different switches in the same fabric yield different output.	
Feature: Field Escalation	**Function**: Management Services
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS5.3.0	**Service Request ID**: 361555

Defect ID: DEFECT000239147	**Technical Severity**: Medium
Summary: Detected termination of zoned observed running repeated multiple zone updates for several hours in different FID's	
Symptom: Zoned termination and switch reboot	
Feature: FC Services	**Function**: Zoning
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239278	**Technical Severity**: Medium
Summary: FICON FCIP Acceleration error - FCCU LinkBusy from non-Busy CU in ReadStates	
Symptom: I/O termination and may see a warning message like "01/07/09 15:38:15 IOS071I 091A,F5,VSMK0944, MISSING CHANNEL AND DEVICE END"	
Feature: FCIP	**Function**: FCIP I/O
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239139	**Technical Severity**: Medium

Closed with Code Change in Fabric OS v6.3.0

Summary: Found 2 LUNs got disabled with "Rekey done with failure" after overnight manual_rekey finished. [CVLC-1001], 775/57, SLOT 2 | FID 128, Nept_74, Manual re-key failed, LUN SN	
Symptom: rekey finished with 2 LUNs failed and became disabled	
Workaround: re-enable LUN	
Feature: Data Security	**Function**: Re-key
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239344	**Technical Severity**: Medium
Summary: With Safezoning disabled, enabling defaultzoning via WT post concerning messages that Safezoning was disable and defaultzoning was enabled	
Symptom: Customer could be confused by the message posted when enabling Defaultzoning via WebTools. With Safezoning disabled, when customer enables defaultzoning via WebTools a message is posted to the switch console log and in the WT Switch Event Log that "The Interop Safe zoning mode is set to Disable, The Interop Default Zone state is set to enabled"	
Feature: WebMgmt	**Function**: Zone Admin
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236582	**Technical Severity**: Medium
Summary: If second FDISC comes in before the switch responds to the first FDISC between the same pair of devices, the Access Gateway daemon panics.	
Symptom: Access Gateway daemon panic triggers switch reboot.	
Feature: Field Escalation	**Function**: Access Gateway
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS5.3.0	**Service Request ID**: 354129

Defect ID: DEFECT000239393	**Technical Severity**: Medium
Summary: Port Admin: Disabling FCFastWrite feature in 7500E shows a blank error message	
Symptom: No warning message displayed when FC fastwrite feature is disabled on 7500E through WebTool.	
Workaround: No	
Feature: WebMgmt	**Function**: Ports Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239368	**Technical Severity**: Medium
Summary: In Web Tools, for Add operation in VLAN in CEE tab, all created data is not added in the table.	
Symptom: The table does not display all of the added data.	
Feature: WebMgmt	**Function**: Switch Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237509	**Technical Severity**: Medium
Summary: FCAP works only in Non-VF mode or VF mode with Default Switch	
Symptom: When FCAP authentication is used along with SCC policy in a VF environment, the E-port on the non-default switch will be disabled with security violation.	
Feature: Fabric Infrastructure	**Function**: Security-authentication
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238526	**Technical Severity**: Medium

Closed with Code Change in Fabric OS v6.3.0

Summary: Unexpected software call traceback error messages are being displayed on the console.	
Symptom: Console occasionally displays call traceback messages. End of printout has Software Verify errors.	
Feature: Pluto Platform Services	**Function**: Platform Services
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239737	**Technical Severity**: Medium
Summary: DCX standby CP may reboot due to ASSERT - Failed expression: new_snode != NULL if the chassis have FC10-6	
Symptom: DCX standby CP may reboot due to ASSERT - Failed expression: new_snode != NULL	
Feature: 8G Platform Services	**Function**: Routing
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 363539

Defect ID: DEFECT000239733	**Technical Severity**: Medium
Summary: When the ethernet connectivity goes down for about 5 seconds, a BES in an hacluster encounters a "VERIFY - Failed expression" and ffdc is generated	
Symptom: FFDC and VERIFY error seen when HA cluster split and form again.	
Feature: Data Security	**Function**: HA Cluster
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239822	**Technical Severity**: Medium
Summary: supportsave: USB: interactive mode stores all files illegally in switch root directory instead of the USB device	
Symptom: When using supportsave in interactive mode with a USB stick selected for storage, the supportsave files are stored in the switch root directory and not the USB device. This can also result in compact flash storage overflow.	
Feature: RAS	**Function**: FFDC/Supportsave
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239878	**Technical Severity**: Medium
Summary: Port Admin: Port Binding should disable ‘Auto Mode’ when the port is part of a 256 area type that does not support auto mode	
Symptom: Port Binding should disable ‘Auto Mode’ when the port is part of a 256 area type that does not support auto mode	
Feature: WebMgmt	**Function**: Ports Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239710	**Technical Severity**: Medium
Summary: Data miscompare seen when the data is written using a KV key, and read using a cache key.	
Symptom: Data was read using the the DEK cache key.	
Workaround: Disable the DEK cache and always use the key vault.	
Feature: Data Security	**Function**: Security Processor
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000233571	**Technical Severity**: Medium
Summary: Overnight run of HAfailover test in large fabric caused a panic on DCX	

Closed with Code Change in Fabric OS v6.3.0

Symptom: Panic on DCX after HAFailover	
Feature: OS Services	**Function**: IP Admin
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000229774	**Technical Severity**: Medium
Summary: Webtools displays "Brocade M5424" incorrectly as “Brocade M5440”	
Symptom: Webtools show "Brocade M5424" as “Brocade M5440”	
Feature: Embedded	**Function**: Webtools
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.0_emb	

Defect ID: DEFECT000239346	**Technical Severity**: Medium
Summary: QoS can be disabled on ports on 4G platforms, but then it cannot later be reenabled to run QoS.	
Symptom: On a Brocade 48000 running FOS v6.1.0 code, without a QoS license present, the QoS can be disabled, but then cannot be reenabled.	
Feature: Field Escalation	**Function**: OS: Infrastructure
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000240311	**Technical Severity**: Medium
Summary: Port Admin : Port Swap does not warn the user the ports will be disabled	
Symptom: Customer needs a warning message about the port state changes.	
Workaround: No	
Feature: WebMgmt	**Function**: Ports Admin
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237050	**Technical Severity**: Medium
Summary: If switches in an edge fabric have the Principal Priority set to non-default values, updating firmware on the FCR switch may result in fabric reconfiguration and momentary traffic disruption.	
Symptom: Fabric reconfiguration and/or momentary traffic disruption seen in an edge fabric when the FCR is performing hot code activation.	
Workaround: Do not set the principal priority of switches in edge fabric to non default value in a routed MetaSANs.	
Feature: FC Services	**Function**: Fabric
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000240967	**Technical Severity**: Medium
Summary: pending merge: fail to recover data with error: ERROR, SYS, FPGA timeout, DECRYPT_DECOMPRESS_TIMEOUT : Cmd 0x932b4000	
Symptom: Under corner case conditions users may see decryption failure	
Feature: Data Security	**Function**: Tape Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239422	**Technical Severity**: Medium
Summary: FICON XRC times out on Brocade 7500 to DCX.	
Symptom: Specific third party drives not coming on line.	
Feature: FCIP	**Function**: FCIP I/O

Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.1	**Service Request ID**: 361531

Defect ID: DEFECT000241697	**Technical Severity**: Medium
Summary: Need more info in configuration upload/download process.	
Symptom: config download / upload needs to be documented well	
Feature: Infrastructure	**Function**: Config Download
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241770	**Technical Severity**: Medium
Summary: Sfpshow displays incorrect values for current, RX power, and TX power.	
Symptom: SFP polling can hang when attempting to poll a disabled port during an hafailover. RX and TX power and other values will no longer update for any port within the switch.	
Workaround: Toggle (enable / disable) all disabled ports in order to restart SFP polling.	
Feature: Platform Services	**Function**: FOS Kernel Drivers
Probability: High	**Risk of Fix**: Low
Found in Release: FOS5.3.1	**Service Request ID**: 362431

Defect ID: DEFECT000242282	**Technical Severity**: Medium
Summary: After user configured key ID without commit, CAL doesn't return key ID value	
Symptom: Prior to doing commit CAL doesn't return key ID value for configured key ID values.	
Feature: Data Security	**Function**: Infrastructure
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242415	**Technical Severity**: Medium
Summary: FFDC event and trace dump: Toggel port during backup to STK 9840C using Netvault application: :	
Symptom: When using specific tape application may see FFDC event getting triggered.	
Feature: Data Security	**Function**: Tape Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242533	**Technical Severity**: Medium
Summary: auditcfg does not generate RBAC permission denied messages	
Symptom: The command auditcfg may not generate certain RBAC messages	
Feature: RAS	**Function**: RAS Audit
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242260	**Technical Severity**: Medium
Summary: Brocade 4016 puts out frequent warning messsages (HIL-1505) that the temperature is above the threshold.	
Symptom: Switch puts out HIL-1505 (WARNING) messages, though the temperature is well within the operational range.	
Feature: Embedded Platform	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS5.3.2	

Defect ID: DEFECT000242134	**Technical Severity**: Medium
Summary: IROUNDUP failure when channel running local to DCX-4S CUP	

Closed with Code Change in Fabric OS v6.3.0

Symptom: Customers may see FICON related errors when running CUP	
Feature: FICON	**Function**: Ficud
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242319	**Technical Severity**: Medium
Summary: Need to add two more values for SNMP port state that includes "validating (10)" module is being validated and "invalidModule (11)" module is invalid.	
Symptom: SNMP object "swFCPortPhyState" is getting invalid value 11.	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242961	**Technical Severity**: Medium
Summary: WWN mapping for certain storage systems is incorrect.	
Symptom: With FOS v6.2.x, Web Tools reports a device incorrectly.	
Feature: WebMgmt	**Function**: Other
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 369495

Defect ID: DEFECT000242877	**Technical Severity**: Medium
Summary: RTWR max retries exhausted on DCX-4S after stress test with POST enabled	
Symptom: RTWR messages may show up after series fof stress tests	
Feature: Legacy FCR (7500/FR4-18i)	**Function**: FCR Port
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000254095	**Technical Severity**: Medium
Summary: If rekey process are started when a physical target of the backup EE is offline, failover to that backup EE might not be possible even that physical target is brought back online later on.	
Symptom: Failover to backup Encryption Engine will not work.	
Feature: Data Security	**Function**: Disk Encryption
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000250477	**Technical Severity**: Medium
Summary: Passive path LUN gets stuck in not ready (Get key from archive) state.	
Symptom: When running a test case that periodically downs the link to the key vault , the LUN go to "Not ready (Get key from archive)" state when Ethernet connection to primary key vault is broken.	
Feature: Data Security	**Function**: Key Vault
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000223006	**Technical Severity**: Medium
Summary: Group leader node create a different key id for the dual path lun after a configdownload	
Symptom: Each LUN in the same DEK cluster may create a different key and lead to data curruption.	
Feature: Data Security	**Function**: Disk Encryption
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000234222	**Technical Severity**: Medium

Closed with Code Change in Fabric OS v6.3.0

Summary: Unable to de-register primary key vault when both primary and secondary key valuts are registered.	
Symptom: Customer will not be able to de-register the primary key vault (KV) when both primary & secondary KVs are configured. This requires customer to first deregister secondary KV and then deregister Failed Primary KV for replacing the failed primary KV. This leads to Encryption Switches without any KVs for a short duration when both Primary and Secondary KV are deregistered leading to DEK operations failing for that duration.	
Workaround: De-register the secondary KV first.	
Feature: Data Security	**Function**: Key Vault
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000219288	**Technical Severity**: Medium
Summary: When there is a mismatch between switch certificate and certificate present on key vault, the status returned by cryptocfg --show -groupcfg reports key vault is offline and does not display any other information.	
Symptom: Customer will see lack of connectivity to key archive at configuration time.	
Workaround: End user can view the certificates on RKM and Brocade Encryption Switch or DCX to determine if there is a mismatch.	
Feature: Data Security	**Function**: Key Vault
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000226434	**Technical Severity**: Medium
Summary: Re-keying of LUNs for a VMware host are not completing successfully.	
Symptom: Re-keying of LUNs for hosted OSes on VMware are not completing successfully due to one host holding a persistant reservation for LUN(s). Re-key fails due to a "reservation conflict".	
Workaround: Delete container that aborts rekey and re-start rekey on the container that doesn't have any kind of reservation conflict.	
Feature: Data Security	**Function**: Re-key
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000226772	**Technical Severity**: Medium
Summary: In a 4-node Cluster rekey doesn't resume after slot poweron	
Symptom: In a 4-Node cluster configuration, when the Encryption Blade which was a hosting rekey sessions was powered off and then later powered on, the failed over rekey sessions may not resume.	
Feature: Data Security	**Function**: Re-key
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000227544	**Technical Severity**: Medium
Summary: When running active/passive arrays with powerpath, if a subset of the LUNs are trespassed, I/O does not properly fail over	
Symptom: If a user creates encrypted LUNs for an array, and hosts the active path for those LUNs through one Brocade Encryption Switch (BES) and then hosts the other path for those LUNs in a passive manner on another BES switch, trespassing a subset of the LUNs from active to passive path may not work. I/Os that were running through the active path will not restart on the passive passive path.	
Workaround: Avoid trespassing LUNs using powerpath	
Feature: Data Security	**Function**: Disk Encryption
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.1.1_enc	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000226860	**Technical Severity**: Medium
Summary: Brocade FS8-18 blade went in to a faulty (79) state while running rekey operation in four node encryption group with 200+ LUNs	
Symptom: Customer may realize loss of encryption services from that blade.	
Workaround: Slotpoweroff and slotpower on the blade to recover.	
Feature: Data Security	**Function**: Platform
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000230287	**Technical Severity**: Medium
Summary: During long running CP hafailover and slotpower cycle test, one Brocade FS8-18 blade came up faulty indicating BM-BC Heartbeat dead.	
Symptom: Brocade FS8-18 will not be operational and will need to be recovered. Crypto operations on faulted blade will stop.	
Feature: Data Security	**Function**: HA Cluster
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000230885	**Technical Severity**: Medium
Summary: Observed CRITICAL while switch was coming up after hareboot on Viking.	
Symptom: After HAReboot custmoers may see few RASLOG messages indicating Critical failure.	
Feature: CEE-Infrastructure	**Function**: HA
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000232970	**Technical Severity**: Medium
Summary: Switchshow lines for FCoE ports should always be in short format	
Symptom: FCoE ports in switchshow output is too long.	
Feature: CEE-FCOE	**Function**: FCOE DRIVER
Probability: High	**Risk of Fix**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000206760	**Technical Severity**: Medium
Summary: If user selects authentication type as "all", in interop modes the default authentication type is still FCAP between FOS switches.	
Symptom: Authentication will fail between two FOS switches in interop mode if the authentication type is set to "all". FCAP requires PKI certificates and the PKI commands are currently blocked in interop modes.	
Workaround: .csv file related changes are checked-in by the CLI gatekeeper. so resolving this TR.	
Feature: Fabric Infrastructure	**Function**: Security
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000231082	**Technical Severity**: Medium
Summary: Fabric watch is allows setting of the Traits and Alarm configuration even when no alarms are available for all of the classes in WebTools.	
Symptom: Inconsistency in the behavior of CLI and WebTools while configuring the Fabric Watch classes.	
Feature: Mgmt Embedded - HTTP	**Function**: Fabric Watch
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000234690	**Technical Severity**: Medium

Closed with Code Change in Fabric OS v6.3.0

Summary: The 'swFCPortTable' displays the port statistical data for the logical port.	
Symptom: The port statistics data should not be available for the Logical Ports. But some incorrect data is shown these in swFCPortTable	
Feature: Mgmt Embedded - SNMP	**Function**: VF
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235544	**Technical Severity**: Medium
Summary: FS8-18 turns faulty 21 after firmwaredownload and reboot of DCX	
Symptom: FS8-18 will be faulty and is not available for fabric or crypto operations.	
Workaround: Slotpoweroff/slotpoweron the blade or remove the blade and insert back.	
Feature: Data Security	**Function**: Security Processor
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000225320	**Technical Severity**: Medium
Summary: Create 2 access-list with 170 rules in each ACL and apply on 2 ports. Statistics is not updated for one of the ACL	
Symptom: In stress to fail scenarios after creating rules for ACLs, statistics counters may not get updated.	
Feature: CEE-SYSTEM SERVICES	**Function**: ACL
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000235195	**Technical Severity**: Medium
Summary: MAC access-group is not removed even after executing no mac access-group in the interface mode	
Symptom: Customers may see MAC access group entries even after removing these entries from CLI.	
Feature: CEE-SYSTEM SERVICES	**Function**: ACL
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000207213	**Technical Severity**: Medium
Summary: In interop mode 2, with Default Zone enabled, the user can activate only 2047 Zones per Zone Set.	
Symptom: Webtools and CLI appear to activate a zone set consisting of 2048 or more zones, but actually it never does.	
Feature: FC Services	**Function**: Zoning
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000204038	**Technical Severity**: Medium
Summary: Event for change in IDID state on neighboring switch not being posted to log	
Symptom: Expected event for change in IDID state on neighboring switch not posted to local event log.	
Feature: FC Services	**Function**: FICON
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.0.0	

Defect ID: DEFECT000220861	**Technical Severity**: Medium
Summary: In connUnitLinkTable,for the attribute connUnitLinkConnIdY there is a mismatch between the PID displayed on the CLI and browser.	
Symptom: The PID value of the port is displayed incorrectly	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: Medium	**Risk of Fix**: Low

Found in Release: FOS6.1.1	

Defect ID: DEFECT000228809	**Technical Severity**: Medium
Summary: Backport code to address various SNMP related issues.	
Symptom: a.The cpLastEvent Value will be shown incorrectly in the browser. b. The cpStatusChange trap is not sent to the trap recipients. c. There is incompatibility with client using older mibs (pre-FOS6.2.0 mib). d. swEndDeviceInvalidWrod mid returns "bad words" e. SNMP displays incorrect index value for atTable, ipTable and ipNetTodefia Table of MIB-2 f. mib fails to compile on 3rd party SAN Management Software (swPmgrEventType)	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: High	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000232956	**Technical Severity**: Medium
Summary: User might observe a Name server related verify on console after firmware download followed by power cycle on 48000.	
Symptom: Following verify message might be seen on console. "nsd verify, if_id !=0, failed expression if_is_valid, switch_zone.c, line 441"	
Workaround: No need for workaround	
Feature: 8G Platform Services	**Function**: FOS Kernel Drivers
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000228944	**Technical Severity**: Medium
Summary: Using WebTools's HA tab, synchronize button and details button do not work as expected	
Symptom: Cannot perform HA Sync operation from WebTools.	
Workaround: Use "hasyncstart" from CLI.	
Feature: Mgmt Embedded - CAL	**Function**: Other
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235157	**Technical Severity**: Medium
Summary: Public / Private keys are not copied during HA failover	
Symptom: When failover happens password-less SCP cannot be used from the switch. However SCP with passwords can be used.	
Workaround: Use SCP with passwords or if password-less SCP is to be used, generate a key pair for SSH outgoing authentication from the switch or: The workaround was to do the following: hadisable sshutil delprivkey sshutil delpubkeys haenable	
Feature: Fabric Infrastructure	**Function**: Security-other
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235184	**Technical Severity**: Medium
Summary: Occasionally after a firmwaredownload or an HA failover on a chassis system, users will notice a message on standby CP console: “cannot create symbolic link '/etc/localtime' to '/usr/share/zoneinfo/...”	
Symptom: This message is seen on STANDBY CP. When the message is observed, customer might notice that time zone on standby is different from what it is on active. There will not be any impact on the switch functionality.	
Feature: Fabric Infrastructure	**Function**: Time Server
Probability: Medium	**Risk of Fix**: High
Found in Release: FOS6.2.0	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000235297	**Technical Severity**: Medium
Summary: During stress test of deleting and creating DCC policies on LS, a assert was observed on the console.	
Symptom: User will notice inconsistent secpolicyshow after running stress testing in the fabric.	
Feature: Fabric Infrastructure	**Function**: Security-ACL
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000233010	**Technical Severity**: Medium
Summary: When FSPF database in edge fabric has an obsolete domain ID that duplicates to front domain for a newly merged switch, front domain fails to form completely in the edge fabric.	
Symptom: FCR front domain does not join the edge fabric.	
Workaround: portdisable and portenable EX_Port	
Feature: Legacy FCR (7500/FR4-18i)	**Function**: FCR Daemon
Probability: Low	**Risk of Fix**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236120	**Technical Severity**: Medium
Summary: When using pathinfo in MetaSAN, where the destination domain queried overlaps with intermediate hop/domain, output of this command is not accurate.	
Symptom: Reverse path display might include forward path hops.	
Feature: Fabric Infrastructure	**Function**: Mgmt Server
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236275	**Technical Severity**: Medium
Summary: Date cmd should be rejected on non-Default LS	
Symptom: When NTP is configured on the default switch, the entire chassis's time will be synched to the NTP server. If a non default logical switch has LOCL configured and user changes the date there, this new date/time set will be lost. This is because in the next synchronization, the time will be synched to that of the NTP server configured on the default switch.	
Workaround: Change date only on the default switch.	
Feature: Fabric Infrastructure	**Function**: Time Server
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235769	**Technical Severity**: Medium
Summary: "Updating Flash" Console Message is seen on all FOS Switches in Fabric during Configupload on Single FOS Switch in a IM2 fabric.	
Symptom: User will observe "Updating Flash" message on console on all FOS switches while performing configupload on switch, when the fabric is in McDATA Fabric mode-2. There is no functional impact, it is working as designed to support configdownload in IM2.	
Feature: FC Services	**Function**: Zoning
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000208988	**Technical Severity**: Medium
Summary: Block user from configuring QoS on FC10-6 blade	
Symptom: portcfgqos sees configuration issue.	
Feature: FC10-6 Platform Services	**Function**: ASIC Driver
Probability: Medium	**Risk of Fix**: Medium

Found in Release: FOS6.1.0	

Defect ID: DEFECT000236325	**Technical Severity**: Medium
Summary: Inappropriate error message from configuredownload in VF mode and LSAN zone tag /LSAN matrix is not cleared when the config file contains no entry for them.	
Symptom: Inappropriate error message during configdownload "configDownload not permitted".	
Workaround: Please ignore the error message and use CLI to clear LSAN tag and LSAN binding.	
Feature: 8G FCR	**Function**: FCR CLI
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236483	**Technical Severity**: Medium
Summary: In one rare case, 'zoneobjectrename' command failed without reason.	
Symptom: zoneobjectrename command may fail without reason.	
Feature: FC Services	**Function**: Zoning
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236797	**Technical Severity**: Medium
Summary: Changing configuration using configure or configDownload when systemVerification is executed could lock out the systemVerification from being executed subsequently.	
Symptom: If user executes configdownload [all] or does any config change while the systemverification command is in progress, it updates runtime information associated with systemverification in flash causing further systemverification calls from executing.	
Workaround: Do not update the configuration when systemVerification is running. If user accidentally changes configuration when the command was executing, use "burninlevel 0" to recover from this situation.	
Feature: Diagnostics	**Function**: Other
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000210143	**Technical Severity**: Medium
Summary: Channel definition errors; time out on QSA Response due to excessive link incidents.	
Symptom: Excessive link incidents caused by bad SFP cable can prevent proper channel response.	
Feature: Fabric Infrastructure	**Function**: Mgmt Server
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.0.0	

Defect ID: DEFECT000234548	**Technical Severity**: Medium
Summary: The ifNumber does not match the number of entries in the ifTable for the logical switches with LISL	
Symptom: The ifnumber and the number of entries in the if table do not match	
Feature: Mgmt Embedded - SNMP	**Function**: VF
Probability: High	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235300	**Technical Severity**: Medium
Summary: Newly created LS should inherit NTP server setting of Default LS	
Symptom: If NTP server is configured on the default switch and user updates date/time in non-default logical switch context, it will be overwritten by NTP server time.	
Workaround: Don't use date command in non-default logical swtich	
Feature: Fabric Infrastructure	**Function**: Time Server
Probability: Medium	**Risk of Fix**: High

Closed with Code Change in Fabric OS v6.3.0

Found in Release: FOS6.2.0	

Defect ID: DEFECT000207595	**Technical Severity**: Medium
Summary: Allowed to add a F_Port TT Monitor to mirror port, however no counters display	
Symptom: Customer is confused because they are allowed to add F_Port Monitor to a mirror port, but then no counters display for that port.	
Feature: Fabric Infrastructure	**Function**: Advanced Performance Monitor
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000234617	**Technical Severity**: Medium
Summary: Virtual nodes on the same switch port may not be able to communicate due to missing RSCNs and the CAM not be programmed. This is not a likely scenario.	
Symptom: Virtual nodes operating on the same physical port are not able to communicate.	
Workaround: Toggle the physical port.	
Feature: FC Services	**Function**: Name Server
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236765	**Technical Severity**: Medium
Summary: command "portcfgdefault <port>" performed on an internal Fport will convert that Fport into an NPort	
Symptom: Running the command "portcfgdefault <port>" on an internal Fport on embedded platforms will convert that Fport into an NPort.	
Workaround: When the system is working well, save that configuration somewhere so that it can be reapplied instead of relying on portcfgdefault.	
Feature: Embedded Platform Services	**Function**: FOS Kernel Driver
Probability: High	**Risk of Fix**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235323	**Technical Severity**: Medium
Summary: EE monitor counter is not incrementing after firmware upgrade to 6.2.0	
Symptom: Customer may stop seeing updated EE monitor counters after firmware upgrade to 6.2.0 or HA Failover	
Workaround: Delete and re-install EE Monitors	
Feature: Fabric Infrastructure	**Function**: Advanced Performance Monitor
Probability: High	**Risk of Fix**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000220302	**Technical Severity**: Medium
Summary: ISL monitor total transmit and number of destination domains monitored counters show 0 when traffic is running thru this ISL	
Symptom: Issue perfmonitorshow --class ISL <port#> on CONDOR based switches, the result shows total transmit count for this ISL: 0, Number of destination domains monitored: 0 when there are traffic running thru the ISL.	
Feature: Fabric Infrastructure	**Function**: Advanced Performance Monitor
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000234893	**Technical Severity**: Medium
Summary: SNMP: The swNs Table does not list all the name server entries.	

Closed with Code Change in Fabric OS v6.3.0

Symptom: swNs Table shows one less entry than the actual number of devices. This is the first entry shown in "nsallshow" CLI command.	
Feature: Mgmt Embedded - SNMP	**Function**: Name Server
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235668	**Technical Severity**: Medium
Summary: IM2 - Value other than 0 or 1 in configdownload file will enable default zone; I was expecting an error message	
Symptom: Using a customer modified config file to enable default zoning under the [Configuration] session: switch.mcdtDefaultZone:1, will enable default zoning. My understanding is that only if the parameter is set to '1' then would default zoning be enabled. If an invalid parameter (anything except 0 or 1) is set in the config file for this, I would expect the error message "configDownload: Failed to set mcdtDefaultZone"	
Workaround: No.	
Feature: FC Services	**Function**: Zoning
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000227797	**Technical Severity**: Medium
Summary: IP monitor shows number of SCSI frames after deleting a SCSI filter monitor and adding IP monitor on the same port	
Symptom: User will see SCSI frame count even after deleting SCSI monitor and adding IP monitor.	
Feature: Fabric Infrastructure	**Function**: Advanced Performance Monitor
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237675	**Technical Severity**: Medium
Summary: Onboard Administrator used to manage Brocade 5480 is not able to read the switchname	
Symptom: TheOnboard Administrator will not display the switchname	
Workaround: Switch name can be displayed from FOS CLI command - switchname	
Feature: Embedded Platform Services	**Function**: Bulova
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237353	**Technical Severity**: Medium
Summary: statsclear does not clear porterrshow statistic data for field "link fail " on FC10-6 blade.	
Symptom: "link fail" data field will not be cleared on running the statsclear command.	
Feature: FC10-6 Platform Services	**Function**: ASIC Driver
Probability: High	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237760	**Technical Severity**: Medium
Summary: "Cyptocfg --show -tapepool -all -stat" returns "Operation failed:" the first time it's issued but displays valid output when immediately re-issued	
Symptom: Under some circumstances, "cryptocfg --show -tapepool -all -stat" may return "Operation failed: Requested object doesn't exist". Tapepool information would not be available.	
Workaround: Re-issue the cli	
Feature: Data Security	**Function**: Tape Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000232305	**Technical Severity**: Medium
Summary: With virtual fabric enabled, when no EE is present, cryptocfg show localEE returns "EE detection aborted: IPC Failure".	
Symptom: Customer will observe that the CLI displays that the command is being ABORTED, due to FAILURE however, there is no "failure". The response from show localEE should indicate no EE present.	
Workaround: No	
Feature: Data Security	**Function**: CLI
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238031	**Technical Severity**: Medium
Summary: A LUN with encryption mode: cleartext and encryption format: Brcd Native, fails to read DF_Compatible tape media.	
Symptom: When a tape containers LUN format is configured wtih encryption format: native and encryption mode: cleartext, files from a DF_Comptaible tape media cannot be restored	
Workaround: Configure the LUN with encryption mode:encrypt & encryption format:DF_Compatible and restore the files from the tape media	
Feature: Data Security	**Function**: Tape Encryption
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000234141	**Technical Severity**: Medium
Summary: After repeatedly deleting and adding partitions, creating a new partition resulted in an ASSERT at "file = .../bccb/lib/utils/register.c, line = 115, user mode" and termination of ficud.	
Symptom: When attempting to create a logical switch, the chassis will reboot due to an assert and panic.	
Feature: FC Services	**Function**: Other
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237789	**Technical Severity**: Medium
Summary: SR Request for IBM PMH 85437,000,738 - HK Monetary	
Symptom: Switch reboot due to Fabric Watch crashed.	
Feature: Field Escalation	**Function**: FC Layer 2 Routing
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.1.1	**Service Request ID**: 358685

Defect ID: DEFECT000237516	**Technical Severity**: Medium
Summary: Unable to clear Port Name from screen " Edit CUP Port Connectivity Configuration"	
Symptom: From WebTools users may not be able to clear port names.	
Feature: WebMgmt	**Function**: WT Platform Support
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000232767	**Technical Severity**: Medium
Summary: SNMP changes required to better support snmp mib.	
Symptom: Default snmpv3 sets different default values between FOS releases, mibcapability option of snmpconfig cannot control ficon mib.	
Feature: Field Escalation	**Function**: SNMP
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.1.1	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000226178	**Technical Severity**: Medium
Summary: Rare Instances of warm recovery failure during upgrade due to small timing window in library used by some services.	
Symptom: This would prevent the CP from coming fully up and online.	
Workaround: An additional reboot or hafailover.	
Feature: High Availability	**Function**: Director HA
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000234760	**Technical Severity**: Medium
Summary: Fabstateshow log wrapping overwrites useful fabstate data on Brocade switch when interoping with McData switches.	
Symptom: In interop mode, the fabstateshow log wraps in a very short time where without interop this log contains weeks and sometimes months of data.	
Feature: Field Escalation	**Function**: Fabric Services
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000230202	**Technical Severity**: Medium
Summary: Data miscompare during path failover in active/passive array.	
Symptom: Application may report data miscompare errors during path failover in active/passive array.	
Feature: Data Security	**Function**: Disk Encryption
Probability: High	**Risk of Fix**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000206033	**Technical Severity**: Medium
Summary: About the Severity Level on Fabric OS Message Reference.	
Symptom: Some message severity level in Fabric OS Message Reference is documented incorrectly.	
Feature: Tech Pubs	**Function**: FUNCTIONAL SPECIFICATION
Probability: High	**Risk of Fix**: Low
Found in Release: FOS5.3.0	**Service Request ID**: 0

Defect ID: DEFECT000236937	**Technical Severity**: Medium
Summary: I/O timeouts observed during first time re-key of disk LUNs	
Symptom: When many LUNs are hosted or enabled for encryption, some LUNs are stuck in state "Create new key state" resulting in failing the host IO for the LUN (I/O timeouts).	
Feature: Data Security	**Function**: Re-key
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238021	**Technical Severity**: Medium
Summary: adding a tapepool (commit) cause hacluster failover even the (container owner) switch is still disabled	
Symptom: adding a tapepool may result in a hacluster failover	
Feature: Data Security	**Function**: Tape Encryption
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237634	**Technical Severity**: Medium
Summary: Error message may be seen on console under heavy utilization of interface to key vault	

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Symptom: Software "VERIFY" error may be seen on the Console of BES or DCX/DCX-4S with FS8-18 blades when under heavy stress of key vault interface - due to slow Key Vault response. This error is harmless and key retrieval operations are retried upon timeout. There is no loss of loss of encryption service.	
Feature: Data Security	**Function**: Key Vault
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237702	**Technical Severity**: Medium
Summary: Re-key starts and host IO is blocked on failover/failback with mis-matched time on EE nodes	
Symptom: The re-key is unexpected as it's prior to the expiration period and the host cannot read/write to the LUN (causing the host to mark the LUN offline). The time out of sync is greater than the enable_rekey value, I/O is running to a multipathed LUN and there is a failover. The I/O continues on the failed over path and re-key is correctly not started. The LUN is then failed back to the original path, I/O halts as re-key starts unexpectedly on this original path. The host times out the I/O. The LUN does not re-fail over to the alternate path and the host marks the LUN offline.	
Feature: Data Security	**Function**: Re-key
Probability: Low	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237838	**Technical Severity**: Medium
Summary: FOS-FVT- Check Condition Not Propagated On Read to Physical Initiator (PI)	
Symptom: Read commands are not sent to PI	
Feature: Data Security	**Function**: Tape Encryption
Probability: Medium	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000255834	**Technical Severity**: High
Summary: FCIP tape pipelining does not propagate task retry identification (TRI).	
Symptom: Tape commands that have TRI embedded in them may be rejected by the device.	
Workaround: Disable FCIP Tapepipelining	
Feature: Field Escalation	**Function**: FCIP
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	**Service Request ID**: 368461

Defect ID: DEFECT000237010	**Technical Severity**: Medium
Summary: Several harmless messages gets generated when DCFM tries to discover a large fabric.	
Symptom: Multiple messages gets generated when DCFM tries to discover a large fabric. "[SNMP-1005], 242, SLOT 6 | FID 128, INFO, DCX_50, SNMP configuration attribute, Trap Severity Level 1 , has changed from 0 to 4" messages. Login to 10.32.233.50; 10.32.233.45; 10.32.233.54; 10.32	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Probability: High	**Risk of Fix**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237404	**Technical Severity**: Medium
Summary: During stress-to-fail testing of Cold Start/Recovery on a switch with multiple Logical Switches, the local Name Server misses some device entries.	
Symptom: Some device entries in local NS database are not consistent across a fabric.	
Workaround: Perform switchdisable/enable on the affected switches.	
Feature: FC Services	**Function**: Fabric
Probability: High	**Risk of Fix**: Medium
Found in Release: FOS6.2.0	

Closed with Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000244617	**Technical Severity**: Medium
Summary: Same device (WWN) is visiable in more than 2 fabric using VF function and VT not getting imported	
Symptom: AIX host is seen twice in 2 different fabric where as it is connected to only one fabric	
Feature: SAS	**Function**: VI
Probability: Medium	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247897	**Technical Severity**: Medium
Summary: Port Auto Disable - Wrong message when disabling port auto disable	
Symptom: Wrong message when disabling port auto disable	
Feature: 8G Platform Services	**Function**: FOS Kernel Drivers
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236813	**Technical Severity**: Medium
Summary: After few hafailovers, FC fast write I/O times out and a few unexpected frame drops are seen on 1 to 2 ports out of 7-8 ports running.	
Symptom: I/O Errors on FCFW enabled paths	
Workaround: Disable FCFW feature or limit the number of HA Failover sequences to times when IO is not active.	
Feature: FCIP	**Function**: FCIP Port
Probability: Medium	**Risk of Fix**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241492	**Technical Severity**: Medium
Summary: Desired distance is editable for the long distance mode L0:Normal initially when the page loads.	
Symptom: Initailly when the port configuration wizard opens, in the specify FC parametrs page, Long distance mode is L0:Normal and desired distance is N/A by default. For the first time alone that desired distance is editable. If we choose some other option in Long distance mode and chose L0:Normal again, now the desired distance becomes non-editable.	
Feature: WebMgmt	**Function**: FCR Admin
Probability: Low	**Risk of Fix**: Low
Found in Release: FOS6.2.0	

Closed without Code Change in Fabric OS v6.3.0

This section lists defects with Critical, High and Medium Technical Severity closed without a code change as of August 20, 2009 in Fabric OS v6.3.0.

Defect ID: DEFECT000246775	**Technical Severity**: High
Summary: Detected termination of process fabricd:4120 followed by software verify errors.	
Symptom: Brocade DCX is unresponsive.	
Feature: 8G Platform Services	**Function**: PID management
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000249407	**Technical Severity**: High
Summary: Event manager daemon (evmd) standby CP segmentation fault occurs on Brocade DCX after upgrade to FOS v6.1.2	
Symptom: When CP7 is active CP, Brocade DCX standby CP log evmd corefiles whenever there is a new listener register connection to evmd. This problems has been seen to occur from fabric manager.	
Workaround: Disable fabric manager, use DCFM to manage fabric.	
Feature: FC Services	**Function**: ESS
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.1.2	**Service Request ID**: 377737

Defect ID: DEFECT000251752	**Technical Severity**: High
Summary: SNMPd panic/restart due to segmentation fault.	
Symptom: SNMPd restart occurred due to Out Of Memory (OOM) condition and this was disruptive due to FSPF timeout with neighbor switch during OOM recovery.	
Feature: Field Escalation	**Function**: Management Services
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.1.2	

Defect ID: DEFECT000237439	**Technical Severity**: High
Summary: Rekey operation hangs when failback from the secondary node of the HA cluster.	
Symptom: Rekey operation with BES switch cannot resume after HA cluster failback.	
Feature: Data Security	**Function**: Re-key
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.1.1_enc	**Service Request ID**: 358561

Defect ID: DEFECT000242567	**Technical Severity**: High
Summary: evmd panic when disabling Virtual Fabric	
Symptom: When a virtual fabric is enabled, in rare cases user may see evmd process getting terminated.	
Feature: Fabric Infrastructure	**Function**: Security-other
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239659	**Technical Severity**: High
Summary: CLI - Uplink ports are not getting removed from the Port Group when all Uplink Ports are removed from the VCM "Edit SAN Fabric info" window	
Symptom: Uplink ports are not getting removed from the Port Group when all Uplink Ports are removed from the VCM "Edit SAN Fabric info" window	
Feature: MCI	**Function**: UNDETERMINED

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Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000250023	**Technical Severity**: High
Summary: Utah panicked in two different switches during and after FirmwareDownload to the latest rc1 build	
Symptom: 5481 switch crash.	
Feature: Access Gateway Services	**Function**: Daemon
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000224460	**Technical Severity**: High
Summary: Host may lose targets on edge AG in cascaded setup when failover from core-AG to another core-AG connected to different edge fabric switches.	
Symptom: Host would lose targets on edge in cascaded setup when F-port is failed over from one N-port connected on one core-AG to another N-port connected to another core-AG.	
Workaround: Disable/enable the N-port	
Feature: Access Gateway Services	**Function**: CLI
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.1.0_emb	

Defect ID: DEFECT000235482	**Technical Severity**: High
Summary: Switch panic with "Detected termination of process iswitchd"	
Symptom: Switch panic with: Detected termination of process iswitchd0: when PLOGI/PDISC have in proper payload size	
Feature: Legacy FCR (7500/FR4-18i)	**Function**: Other
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000226638	**Technical Severity**: Medium
Summary: Slot power off during rekeying followed by crypto target container deletion may cause future rekey sessions to not complete	
Symptom: If the user performs the following steps: 1) Powers off a FS8-18 blade that his hosting a crypto target that is undergoing rekeying 2) Deletes the container when the blade is powered off, 3) Powers the blade back on again 4) Recreates the crypto target -	
Feature: Data Security	**Function**: Re-key
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000231800	**Technical Severity**: Medium
Summary: dot1x frames are not going out	
Symptom: In stress to fail scenarios DOT1X frames may not go thru some ports.	
Feature: CEE-802.1X-SECURITY	**Function**: AUTHD
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000236846	**Technical Severity**: Medium
Summary: PVID not supported on lag	
Symptom: PVID is not supported on LAG interfaces	
Feature: CEE-SYSTEM SERVICES	**Function**: SSM
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.1.2_cee	

Closed without Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000237625	**Technical Severity**: Medium
Summary: IO sync link is offlined when connecting to Ethernet port GE 1	
Symptom: When GE0 link of IO sync link is offline during boot up and if only GE1 has cable connected, whole IO sync link is down and results in failure to start the rekey or first time encryption operations.	
Feature: Data Security	**Function**: Infrastructure
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.1.1_enc	**Service Request ID**: 358577

Defect ID: DEFECT000236581	**Technical Severity**: Medium
Summary: RTWR is seen on front domain created between base switch and logical switch via VEX-VE connection	
Symptom: Fabirc cannot form properly and results in RTWR retries.	
Workaround: portdisable/enable to recover from this condition.	
Feature: FCIP	**Function**: FCIP ASIC SW
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000224631	**Technical Severity**: Medium
Summary: Parent Defect : 224586. CALD crash observed on a 48000 target switch with FOS 6.1.0b in a longevity test execution and consecutive login call failed.	
Symptom: In stress to fail scenario, user may see CALD process termination	
Feature: Mgmt Embedded - CAL	**Function**: Other
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.1.0	

Defect ID: DEFECT000237364	**Technical Severity**: Medium
Summary: Invalid speed level 9 and 11 Gbps is being accepted for port speed config	
Symptom: Invalid speed level is being accepted for port speed config	
Feature: CEE-PLATFORM	**Function**: Blade Driver
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000236921	**Technical Severity**: Medium
Summary: perfcfgsave followed by perfcfgrestore will not restore last EE/Filter monitor	
Symptom: The last EE or Filter monitor is not saved causing it not be restored.	
Workaround: Create an additional dummy(Invalid SID/DID) monitor before performing "perfCfgSave" or reinstall the lost monitor.	
Feature: Fabric Infrastructure	**Function**: Advanced Performance Monitor
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236973	**Technical Severity**: Medium
Summary: During overnight Stress test observed software error message on console after deleting a logical switch.	
Symptom: Error messages are seen on the console and SMI applications may see erroneous data.	
Feature: Mgmt Embedded - CAL	**Function**: Other
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000240443	**Technical Severity**: Medium

Closed without Code Change in Fabric OS v6.3.0

Summary: After a fosconfig --enable vf, followed by a fosconfig --disable vf, customer is unable to log in via telnet or serial port to the Brocade DCX. All accounts receive the error "Cannot assign valid AD at the login session".	
Symptom: After running fosconfig --enable vf and letting the switch reboot, logged back in, stepped through the configure command to validate the new options against the documentation (nothing was changed). Then ran fosconfig --disable vf, and let the switch reboo	
Workaround: Don't change VF mode until dual CP chassis is in sync	
Feature: Infrastructure	**Function**: VF infrastructure
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.2.0	**Service Request ID**: 365207

Defect ID: DEFECT000238597	**Technical Severity**: Medium
Summary: SNMPd takes 90% CPU to access FA_v3_0.mib or fcmgmt object.	
Symptom: snmp deamond using high percentage of cpu.	
Feature: Mgmt Embedded - SNMP	**Function**: FCIP
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238210	**Technical Severity**: Medium
Summary: Access Gateway N_port failover does not work when the HBA is brought on line and the mapped N_port is off line.	
Symptom: When the HBA initializes and its mapped N_Port is off line, the HBA is not sent to another available N_port so it can do a fabric login (FLOGI), but rather waits for its mapped N_Port to become active.	
Feature: Field Escalation	**Function**: Access Gateway
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS5.3.0	**Service Request ID**: 345309

Defect ID: DEFECT000241032	**Technical Severity**: Medium
Summary: Switch did not indicate a warning when a PS/FAN FRU was removed.	
Symptom: Brocade 5100 did not indicate the warning in spite of PS/FAN FRU removal.	
Feature: WebMgmt	**Function**: Fabric Watch
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.2.0	**Service Request ID**: 363745

Defect ID: DEFECT000239742	**Technical Severity**: Medium
Summary: VCM: VCM GUI has a malfunction with creating SNMPv1 Traps.	
Symptom: Creating SNMP v1 traps may result in a GUI error	
Workaround: No	
Feature: Access Gateway	**Function**: HPVCM
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000234098	**Technical Severity**: Medium
Summary: Enhancement request per FC-PI-4, 8G FC port shall use ARB(FF).	
Symptom: To be fully compliant with the latest standard, a new ARB(FF) protocol is required.	
Feature: 8G ASIC Driver	**Function**: C2 ASIC driver
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000234362	**Technical Severity**: Medium

Closed without Code Change in Fabric OS v6.3.0

Summary: DCX kernel panic with "set_reboot_reason reason=Software Fault:ASSERT" "/vobs/projects/springboard/build/swbd62/fabos/src/sys/lib/fabos/id_mgr/idlib.c, line = 863"	
Symptom: User may see a CP failover following a Linux kernal panic	
Feature: 4G ASIC Driver	**Function**: Other
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245624	**Technical Severity**: Medium
Summary: While in FIPS mode and gathering supportsave, backup CP failed supportsave	
Symptom: Standby CP fails to collect supportSave in FIPS mode.	
Feature: FC Services	**Function**: RCS
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000250616	**Technical Severity**: Medium
Summary: portcfgqos command not throwing any error for fcoe ports	
Symptom: When configuring FC QOS on FCOE ports user may see error message	
Feature: CEE-FOS	**Function**: Platform Services
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000253085	**Technical Severity**: Medium
Summary: cscn not flushing buffer after DPC crash	
Symptom: After a DPC crash some debug information may not get cleared	
Feature: FA4-18 Platform Services	**Function**: Blade FOS SW
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000253813	**Technical Severity**: Medium
Summary: Back port fixes for diagshow and raslog message severity issues	
Symptom: Users may see internal debug log messages	
Feature: FA4-18 Platform Services	**Function**: MISC
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244855	**Technical Severity**: Medium
Summary: Switch View: HA Status Inaccurate and "Non-Redundant Detail Service Status" window shows confusing pop up message.	
Symptom: HA status messages from webtools windows may not be clear for the message "Non-Redundant Detail Service Status"	
Workaround: No	
Feature: WebMgmt	**Function**: High Availability
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.1.2	

Defect ID: DEFECT000259452	**Technical Severity**: Medium
Summary: FVT/CRT- FA4-18 Blade fault after DPC-0 crashes	
Symptom: FA4-18 blade becomes faulty.	
Feature: UNDETERMINED	**Function**: UNDER REVIEW
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.1.2	

Closed without Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000225508	**Technical Severity**: Medium
Summary: Port Base routing (aptpolicy 1) may not balance the load across multiple ISLs	
Symptom: With port based routing (aptpolicy 1) on BES, egress traffic is limited to a single port .	
Feature: FOS Platform Services	**Function**: Routing
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000227520	**Technical Severity**: Medium
Summary: Encryption Group Member cannot join its encryption group after simultaneous power down of all members of encryption group	
Symptom: If the user powers down all members of the encryption group, and then only powers up a member node, then no crypto operations or commands (except node initialization) are available on the member node after the power-cycle. This condition persists until th	
Workaround: Avoid powering down all nodes in the Encryption Group or HA Cluster concurrently. In cases where it can not be avoided, bring the Group Leader Node online first before the other member nodes are brought back up. If the group leader can not be brought back	
Feature: Data Security	**Function**: HA Cluster
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000226793	**Technical Severity**: Medium
Summary: 4 node LUN discovery fails if one of the lun out of 4 luns is tresspassed.	
Symptom: With 4 luns, if one lun is tresspassed, lun discovery with clear text container fails.	
Feature: Data Security	**Function**: Disk Encryption
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000226771	**Technical Severity**: Medium
Summary: In a 4-node configuration when the Encryption Engine is hosting a failover container and the Engine is rebooted, it fails to host the container back after a reboot	
Symptom: In a 4node EG/2HAC config : When one of the Encryption Engine hosting the Containers was powered off, containers fail over to other Encryption Engine in HAC pair. However if the surviving Encryption Engine in HAC gets rebooted or powered off and powered o	
Workaround: Do not power off or reboot the surviving Encryption Engine in HA Cluster Pair, which has devices failed over from peer Encryption Engine (which was failed earlier), before the earlier failed or powered off Encryption Engine comes back up online again to p	
Feature: Data Security	**Function**: HA Cluster
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000226765	**Technical Severity**: Medium
Summary: Stressing Brocade FS8-18 GE ports while re-key is in progress resulted split in encyrption group	
Symptom: Due to Network congestion on Management and Cluster Link User may see split condition of Cluster/EG.	
Workaround: Recover from EG Split condition manually via steps provided in Admin Guide	
Feature: Data Security	**Function**: HA Cluster
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000225615	**Technical Severity**: Medium

Closed without Code Change in Fabric OS v6.3.0

Summary: After an Brocade FS8-18 blade is removed from DCX, "cryptocfg --show -groupmember -all" should not show EE for that slot	
Symptom: Customer may see some un-wanted information after removing the FS8-18 blade from the chassis.	
Workaround: User should ignore encryption information displayed for that slot.	
Feature: Data Security	**Function**: CLI
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000224600	**Technical Severity**: Medium
Summary: The removal of an “encryption performance upgrade” license is not prevented.	
Symptom: End user will be able to un-install an encryption performance upgrade license without warning and without being prevented or prompted. This could lead to unpredictable results for crypto traffic once the removal of the license is effective (ie upon reboot	
Feature: Data Security	**Function**: Platform
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000224474	**Technical Severity**: Medium
Summary: After installing the encryption performance upgrade licence, there is no prompt of the end user to reboot the switch to make the license effective.	
Symptom: End user may notice no improvement in crypto traffic performance after installing an encryption performance upgrade license on switches that are passing more than 32 or 64 Gbps of crypto traffic on the Brocade Encryption Switch (BES) or 48 Gbps of crypto	
Workaround: Reboot the Brocade Encryption Switch or DCX.	
Feature: Data Security	**Function**: Platform
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000217309	**Technical Severity**: Medium
Summary: When a DCX blade is powered off, Fabric Watch displays unecessary warning message about SFP voltages	
Symptom: When powering off a DCX blade, Fabric Watch will display messages that read , "[FW-1050], 21,, WARNING, DCX_two, Sfp Supply Voltage for port 12/0, is below low boundary(High=3600, Low=3150). Current value is 0 mV" that is generated for every sfp on a blad	
Workaround: Ignore messages - they indicate no problem and have no side effect.	
Feature: Fabric Infrastructure	**Function**: Fabric Watch
Reason Code: Already Fixed in Release	**Probability**: High
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000222711	**Technical Severity**: Medium
Summary: Command ipaddrshow does not show the IP address of a blade that is seated in slot 12 of a Brocade DCX.	
Symptom: If customer issues ipaddrshow, without the "-slot" option and a blade that contains an ethernet port is seated in slot 12, then the ip address information for that blade is not shown. Blades affected are the Brocade FA4-18 and FS8-18.	
Workaround: Issue ipaddrshow -slot 12 to get the information.	
Feature: OS Services	**Function**: IP Admin
Reason Code: Already Fixed in Release	**Probability**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000226314	**Technical Severity**: Medium

Closed without Code Change in Fabric OS v6.3.0

Summary:	In certain cases, such as when long distance mode is changed to LD on the edge side, or when the ISL mode is configured after the long distance link segments, the EX-Port acting as an ISL in R_RDY mode can get stuck in Disabled state (an FC router error).
Symptom:	The ISL attached to the EX-Port is stuck in a Disabled state and will prevent it from routing data. This happens when ISL R_RDY mode is enabled in EX-Port and ISL R_RDY mode is disabled in neighbor E-Port and long distance parameters are different for EX-
Workaround:	- Configure the neighbor E-Port to the EX-Port for ISL R_RDY mode as well, which should cause the link to recover. - Configure same long distance parameters for the EX-Port and E-Port .
Feature: FCR	**Function**: FCR Port
Reason Code: Already Fixed in Release	**Probability**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000218356	**Technical Severity**: Medium
Summary:	Some special characters should not be accepted when user enters the encryption group name through the CLI
Symptom:	When configuring an encryption group, user is allowed to enter special chars, " #, &, (,), \, |, : ". This will cause the name of their encryption group to be truncated after the first invalid character
Workaround:	Avoid entering invalid characters in the encyrption group name.
Feature: Data Security	**Function**: HA Cluster
Reason Code: Can Not Fix	**Probability**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000226135	**Technical Severity**: Medium
Summary:	RFE: All the config commands (involving interface name) should accept interface name with or without space
Symptom:	Configuring interface name with space is not supported.
Feature: CEE-MANAGEABILITY	**Function**: CLI
Reason Code: Can Not Fix	**Probability**: High
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000217628	**Technical Severity**: Medium
Summary:	Please provide option to create VLAN interfaces in ranges
Symptom:	VLAN interface creation with range option is not supported.
Feature: CEE-MANAGEABILITY	**Function**: CLI
Reason Code: Can Not Fix	**Probability**: High
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000228287	**Technical Severity**: Medium
Summary:	RPC call to delete an instance of Brocade_Platform fails on DCX-4S
Symptom:	SMI Applicaton cannot delete Brocade_Platform object.
Feature: Mgmt Embedded - RPCD	**Function**: Ports Admin
Reason Code: Can Not Fix	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000240391	**Technical Severity**: Medium
Summary:	TRCK-1004 messages aren't logged when configuration changes
Symptom:	TRCK-1004 message is not generated when switch configuration changes.
Feature: Mgmt Embedded - CAL	**Function**: EVMD
Reason Code: Can Not Fix	**Probability**: High
Found in Release: FOS6.2.0	**Service Request ID**: 363237

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Defect ID: DEFECT000245449	**Technical Severity**: High
Summary: 48000 CP panic during overnight slot command test with "ASSERT - Failed expression: table != NULL file = /vobs.../fabos/fabobj_mgr/fabport.c, line = 2096, kernel mode"	
Symptom: switch crash and reboot.	
Feature: 8G Platform Services	**Function**: FOS Kernel Drivers
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245604	**Technical Severity**: High
Summary: Ringo test failed. Medusa I/O failed with I/O halted due to read and write failed on all enc hosts, but an L2 host.	
Symptom: IO lost	
Feature: Data Security	**Function**: Disk Encryption
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245829	**Technical Severity**: High
Summary: Licnese vanished on 5300	
Symptom: Installed licenses disappear after hareboot or firmwaredownload.	
Feature: License	**Function**: License
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000250615	**Technical Severity**: High
Summary: Switch panic, NSD core during max VT test	
Symptom: SAS 3.3.0 bld 10 FOS 6.2.0c During max Vt creation switch got disconnected and observed core files in Panic/NSD	
Feature: FC Services	**Function**: Name Server
Reason Code: Not Reproducible	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000252595	**Technical Severity**: High
Summary: End devices informaion is not shown in NsInfo.html but Switch CLI show the connected end device details(10.32.149.178)	
Symptom: End device information not presented in WebTool.	
Workaround: hareboot will recocver the problem	
Feature: Field Escalation	**Function**: Management Embedded
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000240637	**Technical Severity**: High
Summary: After running stress script for ACL Elara change valid E-port to loopback port	
Symptom: switch crash	
Feature: Diagnostics	**Function**: Other
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000225513	**Technical Severity**: High
Summary: Cold recovery on HA reboot in Brocade 5300	
Symptom: Cold recovery on HA reboot in tBrocade 5300	
Feature: CEE-PLATFORM	**Function**: ENET SWITCH DRIVER

Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000237340	**Technical Severity**: High
Summary: NMI - FS8-18 blade & BES switch went into faulty(79) state during extensive rekey operations and Host IO activity on the LUNs.	
Symptom: When rekey operation is in progress for many LUNs, the rekey process on BES or FS8-18 blade becomes inresponsive due to extensive rekey IO and Host IO activity for the LUN resulting FS8-18 Blade or BES getting faulted by Software WatchDog. However if depl	
Feature: Data Security	**Function**: Re-key
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237413	**Technical Severity**: High
Summary: FC FastWrite to a specific storage device causes I/O to fail.	
Symptom: With FC FastWrite on, host cannot write I/O to disk array. When FC FastWrite is off, host is able to write I/O to disk array. We need to be able to write I/O to disk array with FC FastWrite ON.	
Workaround: Disable FC FastWrite feature with the failing storage device or port disable/portenable host and device ports that are experiencing the failures.	
Feature: FCIP	**Function**: FCIP I/O
Reason Code: Not Reproducible	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000219837	**Technical Severity**: High
Summary: Lost Telnet connectivity to Brocade 5470 after firmware upgrade from bld 08 to bld 09	
Symptom: Found that after a firmware upgrade (firmwaredownload -sf... and then a reboot).... the switch didnot respond to telnet. After re-seating the switch, the telnet was resumed. Similar behavior was seen in the earlier builds for Blazer3 and we see the same a	
Workaround: Re-seat the switch and telnet connectivity will be resumed.	
Feature: Embedded	**Function**: Platform
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.0_emb	

Defect ID: DEFECT000224587	**Technical Severity**: High
Summary: In a 9 switch fabric some class 3 frame drops occur.	
Symptom: In a poorly designed fabric, Customer may see some Class 3 frame drops. The same symptom may happen when a fabric has atleast slow draining device such as 1 or 2 Gbps target or host.	
Workaround: Follow the Brocade Fabric Design Guidelines and Best Practices. Use traffic isolation zones feature to isolate the traffic to slow drain device.	
Feature: FOS Platform Services	**Function**: ASIC Driver
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000244257	**Technical Severity**: Medium
Summary: After systemverification test failure, incorrect message is printed in raslog	
Symptom: "POST tests failed" messages are seen in raslog instead of "System verification tests failed"	
Feature: Field Escalation	**Function**: Diagnostics
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.1	

Defect ID: DEFECT000241472	**Technical Severity**: Medium

Closed without Code Change in Fabric OS v6.3.0

Summary: "ag --show" command may not show IP_addr of Fabric switch after swapping an N-port from a switch to another switch port.	
Symptom: "ag --show" doesn't show IP_addr of fabric switch that the AG is connected to when an NPort cable is removed from a one fabric switch to another. After portdisable/portenable, the proper IP address will be displayed.	
Feature: Access Gateway Services	**Function**: CLI
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0_emb	

Defect ID: DEFECT000238314	**Technical Severity**: Medium
Summary: AG cold-failover may not happen within the Port group when trunked N-ports are first split into different PGs and then brought back into same PG.	
Symptom: AG-5450 cold-failover may not happen within the Port group when an Nport is brought online after number of disruptive tests as part of negative testing. The Nport is part of a trunk group; the N-ports are split into different port groups and then brought	
Feature: Access Gateway Services	**Function**: CLI
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.0_emb	

Defect ID: DEFECT000245181	**Technical Severity**: Medium
Summary: PLOGI request dropped when DID is CUP	
Symptom: CUP PLOGI will be dropped on switch. customer may see discovery issue	
Feature: FICON	**Function**: Ficud
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245832	**Technical Severity**: Medium
Summary: 48000 panic with Out of Memory during supportsave.	
Symptom: During supportSave, 48000 with FC4-16IP blade panic because out of memory.	
Feature: iSCSI	**Function**: FC4-16IP Blade Driver
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000246334	**Technical Severity**: Medium
Summary: firmware upgrade from v6.1.2 to v6.2.0d_rc1_bld04: FR4-18i loaded but failed to commit partition (and failed slot firmwaredownload)	
Symptom: FR4-18i fail to commit v6.2.0d internal build to secondary partition.	
Feature: Infrastructure	**Function**: Firmware Download
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238063	**Technical Severity**: Medium
Summary: Switch Admin: When user disables Login Management, the View details option does not function in the FCoE login group.	
Symptom: User cannot view the member details when Login Management is disabled.	
Workaround: Use the CLI command fcelogincfg to create the login groups.	
Feature: WebMgmt	**Function**: Switch Admin
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000249388	**Technical Severity**: Medium

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Summary: Forwarding stops on disabling enabled RSTP spanning tree	
Symptom: Forwarding stops on disabling enabled RSTP spanning tree	
Feature: CEE-Infrastructure	**Function**: IFM
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000250040	**Technical Severity**: Medium
Summary: errdumpall aborted with "segmentation fault"	
Symptom: errdumpall may be aborted with "segmentation fault"	
Feature: CEE-FOS	**Function**: Infrastructure
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000253865	**Technical Severity**: Medium
Summary: FOS switch is not returning complete fabric information	
Symptom: Incomplete fabric information returned to DCFM.	
Feature: FC Services	**Function**: Fabric
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000254951	**Technical Severity**: Medium
Summary: FOS is a seed switch: When the mixed fabric is discovered with “Enable CLI” option disabled in the EOSc switch which is connected to FOS(seed) switch. It is getting discovered with wrong switch IP.	
Symptom: Incorrect switch IP address information shown in DCFM.	
Feature: FC Services	**Function**: Fabric
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000222780	**Technical Severity**: Medium
Summary: The WWN sent via SNMP when the port is segmented due to interopmode mismatch may be incorrect	
Symptom: Incorrect WWN maybe returned for the connUnitLinkPortWwnY and because of that EFCM may showing wrong connection.	
Workaround: No	
Feature: FC Services	**Function**: Fabric
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.1.1	

Defect ID: DEFECT000218672	**Technical Severity**: Medium
Summary: ipc error and software verify error detected on M5424 running in switch mode when a new Admin Domain is created and an existing cfg is disabled in one of the existing AD	
Symptom: When a new Admin Domain is added to an existing AD database, "error: ipc failed -5" is detected and the new AD does not get added.	
Feature: Embedded	**Function**: FC Service
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.0_emb	

Defect ID: DEFECT000229982	**Technical Severity**: Medium
Summary: Embedded Access Gateway (AG) switches - F_Port doesn't get online after its configured N_Port (with failbackdisable) and preferred N_Port are online	
Symptom: It was observed that on embedded AG switches - F_Port doesn't become online after its configured N_Port (with failbackdisable) and preferred N_Port are online.	

Workaround: Portenable the F_Port in question.	
Feature: Access Gateway Services	**Function**: Daemon
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000211421	**Technical Severity**: Medium
Summary: May see message "Probing failed on F-port" when in interop mode 3.	
Symptom: Message "Probing failed on F-port" is seen.	
Feature: Native Interop	**Function**: Name Server
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000235421	**Technical Severity**: Medium
Summary: During overnigth stress testing, ACL policy is not consistent across fabric, even with fabwideset configured.	
Symptom: ACL policy may not be distributed across the fabric.	
Feature: Fabric Infrastructure	**Function**: Security-ACL
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236758	**Technical Severity**: Medium
Summary: BES may be marked Faulty due to POST failure after repeated POST tests	
Symptom: BES Faulty due to POST failure	
Workaround: Manually reboot the switch should POST fail	
Feature: Diagnostics	**Function**: Post Diags
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236580	**Technical Severity**: Medium
Summary: Standby CP rebooted unexpectedly during non-disruptive firmware upgrade from v6.1.0 to v6.2.0	
Symptom: The customer will see 6.1 standby CP reboot. After the reboot it will be working fine and firmware upgrade will continue.	
Workaround: System will recover and no workaround is needed.	
Feature: Infrastructure	**Function**: HA
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000234865	**Technical Severity**: Medium
Summary: On embedded platform 5424, occasionally internal ports connected to an 8G HBA set to N8 auto negotiates to a lower speed after rebooting	
Symptom: On Brocade 5424 embedded platforms, the speed negotiation may not succeed at 8G. In that case the port will renegotiate to lower speeds which eventually may be successful.	
Workaround: Disable the affected port and re-enable it.	
Feature: 8G ASIC Driver	**Function**: GE2 ASIC ports
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000230960	**Technical Severity**: Medium
Summary: In Access Gateway (AG) cascading setup connected to Cisco fabric, after failover has occurred on core-AG, NPIV F_Port doesn't display all the logins in switchshow output on core-AG-5100	

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Symptom: It was observed that in AG cascading setup connected to Cisco fabric with AG-5100 as core-AG, and 300 as edge-AG, after failover has occurred on core-AG, NPIV F_Port doesn't display all the logins in switchshow output on core-AG-5100	
Workaround: use "portshow port_number" to see all the NPIV devices.	
Feature: Access Gateway Services	**Function**: CLI
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236847	**Technical Severity**: Medium
Summary: In rare circumstances, a change to the TI zone failover policy will not be applied.	
Symptom: Traffic which does not belong to any TI defined zones is offloaded onto a TI link which carry a failover policy of enabled (OK) but also is offloaded onto a parallel TI link which carries a failover policy of disabled (not OK). Traffic which is not part o	
Workaround: Workaround to change the failover policy is as follows: - deactivate the TI zone - change the failover policy - activate the TI zone	
Feature: 8G Platform Services	**Function**: Routing
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238059	**Technical Severity**: Medium
Summary: Build v6.2.0_main_bld38 --SNMP BUG -- The "swfabricwatchtrap" traps are not received for fwconfigure changes	
Symptom: swfabricwatchtrap is not received for fabric watch fwconfigure change.	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238324	**Technical Severity**: Medium
Summary: Port Initiated Rscn sent outbound from switch has Event qual field cleared in Single PID config.	
Symptom: Port-initiated RSCN which arrives at a switch port and then distributed out to other common-zoned ports has the Event Qual field cleared to x00 in the payload.	
Feature: FC Services	**Function**: Name Server
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000229069	**Technical Severity**: Medium
Summary: Getting CT invalid explanation while doing a switch enclosure call (GENVATTR2) on a logical context.	
Symptom: SMI Application receives wrong error code.	
Feature: Mgmt Embedded - RPCD	**Function**: Other
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237814	**Technical Severity**: Medium
Summary: Add Member button is disabled while creating a new TI Zone when the switch is in VF mode	
Symptom: In ADD TI Zone window, customer cannot use the "ADD Memeber" button to add the members (ports) to the Zone members.	
Workaround: "Add Other Port" button can be used to add ports. this is available in the ADD TI Zone window.	
Feature: WebMgmt	**Function**: Zone Admin
Reason Code: Not Reproducible	**Probability**: High
Found in Release: FOS6.2.0	

Closed without Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000238138	**Technical Severity**: Medium
Summary: When downloading bld38 to DCX using WebTools, received message "not all domains are capable of supporting Coordinated HotCode load"	
Symptom: In an FCR configuration, using WebTools, when attempting to upgrade DCX from v6.1.0c to v6.2.0/38 user is prompted with message "not all domains are capable of supporting Coordinated HotCode load. Do you want to bypass the checking of Coordinated HotCode	
Feature: WebMgmt	**Function**: Firmware Download
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237138	**Technical Severity**: Medium
Summary: If there is a fabric reconfiguration while switches are upgrading to 6.2, switches may report FDD violations and segment from the fabric.	
Symptom: During the firmware upgrade process, E-ports may become segmented due to an FDD (Fabric Data Distribution) conflict, even though the Fabric Wide Disribution policies are the same.	
Workaround: portdisable/enable should cause the E-port to reestablish connection after the fabric becomes stable. Alternatively, the Fabric Wide Distribution policies could be disabled during the firmware upgrade to avoid unnecessary fabric disruption, and then eable	
Feature: Fabric Infrastructure	**Function**: Security-ACL
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237191	**Technical Severity**: Medium
Summary: Filter and EE monitors are lost if "perfCfgSave" is not executed after creation of monitors and before upgrading firmware to 6.2.0 on 7600	
Symptom: Filter and EE monitors are lost after firmware upgrade to 6.2.0 on 7600	
Workaround: If new monitors are created, configuration needs to be saved using "perfCfgSave" before performing non-disruptive firmware upgrade.	
Feature: Fabric Infrastructure	**Function**: Advanced Performance Monitor
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237292	**Technical Severity**: Medium
Summary: portloopbacktest failure with error DIAG-TIMEOUT observed during SystemVerification test on an FC4-16IP (iSCSI) blade.	
Symptom: FA4-16IP Blade fails SystemVerification Diagnostics with error code DIAG-TIMEOUT	
Workaround: slotPowerOff/slotPowerOn the failing blade will recover to normal operation	
Feature: Diagnostics	**Function**: Other
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000216874	**Technical Severity**: Medium
Summary: NI: EFCM Fabric Binding Activation Failure for 7600 in Mixed Fabric	
Symptom: Unable to acrtivate fabric binding from EFCM or EWS for mixed fabric in interopmode 2 when 7600 is attached.	
Feature: Fabric Infrastructure	**Function**: Security
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000238019	**Technical Severity**: Medium
Summary: Switch routes class 2 ELS to a device from which it is excluded by hard zoning in a IM2 fabric, when the device resides in the McDATA default zone.	

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Symptom: IFCC for ELS timeout when channel attempts class 2 connection to a device from which it is excluded by zoning in a IM2 fabric, when the device resides in the McDATA default zone.	
Workaround: Do not allow nodes which should be excluded from FICON nodes in the fabric to reside in McDATA default zone.	
Feature: FC Services	**Function**: Name Server
Reason Code: Not Reproducible	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238167	**Technical Severity**: Medium
Summary: Broadcast frames at a high rate can cause unexpected termination of iswitchd	
Symptom: The customer may see iswitch daemon termination when the Broadcast feature is turned on.	
Workaround: Turning the broadcast feature off solves the problem.	
Feature: 8G FCR	**Function**: FCR Daemon
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238856	**Technical Severity**: Medium
Summary: Switch View: Pluto Switch: Inserting/Removing a blade into slot is not dynamically updated in Switch view.	
Symptom: Switch View: Pluto Switch:Switch view is not updated dynamically on Blade removal and insert.	
Workaround: launch the Webtols again.	
Feature: WebMgmt	**Function**: Switch Explorer/Switch View
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000220037	**Technical Severity**: Medium
Summary: Brocade 5470: FFDC occurred while firmwaredownload from v6.1.0_emb_bld08 to v6.1.0_emb_bld09	
Symptom: FFDC occured on Brocade 5470 during firmwaredownload of two development builds.	
Feature: Embedded	**Function**: MGMT BACKEND
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.1.0_emb	

Defect ID: DEFECT000239585	**Technical Severity**: Medium
Summary: Switch report is not opening for switches when it is launched from fire fox in Solaris 10.	
Symptom: User will not be able to see the status report if he opens from Solaris 10	
Workaround: NO	
Feature: WebMgmt	**Function**: Switch Explorer/Switch View
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000239590	**Technical Severity**: Medium
Summary: Web tools for other switches are not launched when it is launched from the fabric tree in Solaris 10.	
Symptom: User willl not be able to launch web tools for other switches present in fabric tree in Solaris 10.	
Workaround: To open the switch in the fabric directly from the firefox .	
Feature: WebMgmt	**Function**: Switch Explorer/Switch View
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000242689	**Technical Severity**: Medium
Summary: Corrupt frame recieved from remote domain is causing essd crash	

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Symptom: ESS daemon crash due to corrupted frame received.	
Feature: FC Services	**Function**: ESS
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242815	**Technical Severity**: Medium
Summary: Upgrade a Tomahawk from v6.2.0c_rc1_bld04 to v6.2.0c_rc1_bld05 returned "cannot get shared lock on database"	
Symptom: FirmwareDownload fails between two internal builds of v6.2.0c.	
Feature: Infrastructure	**Function**: Firmware Download
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242894	**Technical Severity**: Medium
Summary: FOS: AG Device not sending RPL to I10k	
Symptom: I10k not able to recieve RPL from FOS Switch	
Feature: Access Gateway Services	**Function**: Platform Other
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242879	**Technical Severity**: Medium
Summary: FC8-48 blade becomes faulty (51) upon stress testing (w/ POST enabled) on DCX-4S	
Symptom: Customer may experience blade fault with reason 51	
Feature: Diagnostics	**Function**: Post Diags
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243612	**Technical Severity**: Medium
Summary: “Create iSCSI Zone” tab does not create the default iSCSI zone, instead takes the old iSCSI zone information even if it is deleted.	
Symptom: ISCSI zone tab does not default tab.	
Workaround: CLI	
Feature: WebMgmt	**Function**: iSCSI Support
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243231	**Technical Severity**: Medium
Summary: FR4-18i blade in DCX chassis got Faulty(51) after firmawaredownload of v6.2.0c_rc1_bld07. Previous build was v6.2.0c_rc1_bld06	
Symptom: FR4-18i blade in DCX chassis becomes faulty (51).	
Feature: Diagnostics	**Function**: Post Diags
Reason Code: Not Reproducible	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243377	**Technical Severity**: Medium
Summary: fcRouting filter fails due to UNKNOWN state for ex ports in the uploaded config file.	
Symptom: Configdownload fails with the following error - configDownload failed, key = fcRoute.port.224.fabricId, rc = -1	
Feature: Legacy FCR (7500/FR4-18i)	**Function**: FCR Port
Reason Code: Not Reproducible	**Probability**: Medium
Found in Release: FOS6.2.0	

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Defect ID: DEFECT000240911	**Technical Severity**: High
Summary: During scalability testing, unable to save the zone config in a large fabric: response and ACA rejected.	
Symptom: Error displayed: "Failed to save zone config…..zoning aborted…. Bad zone config."	
Workaround: Examine RAS logs for the switches in the fabric; identify downlevel switches with a merge problem; and resolve the issue.	
Feature: FC Services	**Function**: Zoning
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247308	**Technical Severity**: High
Summary: 48K hangs CU-Busy running SAK/IRNDUP	
Symptom: switch does not respond to IRNDUP requests	
Feature: FICON	**Function**: Ficud
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244657	**Technical Severity**: High
Summary: FabricInfo.html does not show the correct principal switch if the principal switch is a EOS switch	
Symptom: Not able to get the correct Principal switch of the fabric. Not able to update SMI Agents regarding the same	
Feature: Mgmt Embedded - HTTP	**Function**: Other
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241612	**Technical Severity**: High
Summary: Unable to set the front domain id for the 'Ex-Port' using the CAL interface. The FCR setup is disturbed.	
Symptom: Unable to set EX port front domain from webtools.	
Feature: Mgmt Embedded - CAL	**Function**: FCR
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242891	**Technical Severity**: High
Summary: Issued enableEE caused [CVLC-1017], 34/15, SLOT 9 | FID 128, ERROR, Nept74, Event: Unrecoverable data decompression failure. Then, Detect CRC error with good EOF on C-port 0, OID:0x43828000	
Symptom: Brocade Encryption Switch cannot decompress data previously compressed.	
Feature: Data Security	**Function**: Disk Encryption
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243382	**Technical Severity**: High
Summary: DCX-4S CP1 failed - Invalid DMA ch pointer, slot 8 faulted (21) holds FC8-48 blade	
Symptom: DCX-4S CP1 failed - Invalid DMA ch pointer, slot 8 faulted (21) holds FC8-48 blade, traffic was disrupted. IM2 mode, VF enabled but of VS configured.	
Feature: 8G ASIC Driver	**Function**: PORT
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000248257	**Technical Severity**: High

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Summary: Attached nodes incurred loss-of-sync during supportsave	
Symptom: Attached nodes incur loss-of-sync during supportsave. RASLOG messgaes are recorded - 2009/04/03-03:32:39:695243, [C2-5505], 91/0, SLOT 6 | CHASSIS, WARNING, BrocadeDCX_243, Function returned error 8: line: 15425, OID:0x43110880, c2_route.c, line: 15425, c	
Feature: 8G ASIC Driver	**Function**: PORT
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000240552	**Technical Severity**: High
Summary: Switch panic when SAS script is run on Saber (Script uses VI as physical initiator for the VT)	
Symptom: Was trying to run the script using xapp and when we run this script the switch panics, CP in saber reboots and core file are generated	
Feature: FA4-18	**Function**: Platform Service Interface
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.1.0	

Defect ID: DEFECT000245173	**Technical Severity**: High
Summary: After upgrade on FIPS switch FCAP certificate is lost	
Symptom: supportsave uploaded: \\hq-samba-1\sj_eng\defects\245000\245173	
Feature: Fabric Infrastructure	**Function**: Security-authentication
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244850	**Technical Severity**: High
Summary: Brocade Encryption Switch running FOS v v6.2.0b does not auto-negotiate to 2GB 3rd- party pass thru switch	
Symptom: Auto negotiation fails	
Feature: 8G ASIC Driver	**Function**: C2 ASIC driver
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239542	**Technical Severity**: High
Summary: Unable to verify port capacity on Brocade 5481 switch by query SNMP variable fcFeModuleFxPortCapacity	
Symptom: Cannot query SNMP variable fcFeModuleFxPortCapacity to verify port capacity on Brocade 5481 switch	
Feature: Fabric Infrastructure	**Function**: Other
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000248670	**Technical Severity**: High
Summary: MS call RMGMT_SVR_REQUEST_1 - GPL fails in mixed fabric for Brocade SMIA Project	
Symptom: SMI Agent Login fails to the proxy connected to an Mi10k.	
Feature: Mgmt Embedded - RPCD	**Function**: Other
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235092	**Technical Severity**: Medium
Summary: In a corner case scenario with IM2 mixed fabric (consisting of EOS and FOS switches), executing cfgsave with zone database larger than EOS switch can accept will leave zone transaction open without notification	

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Symptom: Further zoning managment operations are not allowed, but the user is notitied that a zone transaction is open. The user can use configtransshow to display the zone transaction state and configtransabort to abort the open transaction.	
Workaround: Use configtransshow to display status of zoning transactions and configtransabort to abort the transaction.	
Feature: FC Services	**Function**: Zoning
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000229745	**Technical Severity**: Medium
Summary: Security scan reported CERT vulnberability in OpenSSH	
Symptom: Switch was subjected to a security scan by third party security appliance. The following security vulnerability has been identified. CVE-2004-0175 : OpenSSH SCP Traversal Arbitrary File Overwrite This is a vulnerability that, according to openSSH, has bee	
Feature: Field Escalation	**Function**: Security
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS5.2.0	

Defect ID: DEFECT000235079	**Technical Severity**: Medium
Summary: Firmware download from 6.2.0 -> 6.1.0e caused MS Plat DB to clear, was populated prior to downgrade	
Symptom: Customer's Management Server Platform Database is cleared when downgrading.	
Workaround: Run switchdisable; switchenable;	
Feature: Fabric Infrastructure	**Function**: Mgmt Server
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237233	**Technical Severity**: Medium
Summary: RFE:- User should be asked confirmation when clear counter cli is executed.	
Symptom: User confirmation not displayed when clear count command is issued on 8000.	
Feature: CEE-Protocol	**Function**: NSM
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000228524	**Technical Severity**: Medium
Summary: LISL bandwidth information is conflicting on the two logical switch ends	
Symptom: Incorrect bandwidth information	
Feature: Logical Fabric	**Function**: Kernel Driver
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000222981	**Technical Severity**: Medium
Summary: Devices logging in to the fabric via a Core-AG show up in the "agshow" output for both the Core-AG and the Edge-AG creating confusion as to which AG those devices actually belong to...	
Symptom: The "agshow" CLI output on the fabric shows that a device is connected to TWO interconnected AGs in a particular scenario as described in the Topology.pdf file in the defect directory	
Feature: Access Gateway Services	**Function**: CLI
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000238480	**Technical Severity**: Medium

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Summary: No values are retrieved in MIB Browser for HA MIB tables when VF is enabled in DCX.	
Symptom: On DCX VF config, No values are retrieved for HA MIB on MIB Browser	
Feature: Mgmt Embedded - SNMP	**Function**: VF
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238458	**Technical Severity**: Medium
Summary: IF MIB:Mismatch in values for ifInMulticastPkts,ifInBroadcastPkts,ifOutBroadcastPkts between the mib browser and telnet output	
Symptom: Difference in values for variables ifInMulticastPkts, ifInBroadcastPkts, ifOutBroadcastPkts in the mib browser and telnet output	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000230762	**Technical Severity**: Medium
Summary: Port is not fenced after exceding threshold when time base is set to "day"	
Symptom: Customer will see port getting fenced incorrectly after a delay of 1 hour when threshold is exceeded.	
Workaround: User can configure the timebase to other values like minute and hour.	
Feature: Fabric Infrastructure	**Function**: Fabric Watch
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239396	**Technical Severity**: Medium
Summary: ifInOctet and ifOutOctet of interfaces displayed in MIB browser do not match with CLI output	
Symptom: Incorrect values of ifInOctet and ifOutOctet are displayed in MIB browser	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239536	**Technical Severity**: Medium
Summary: SNMP variable swFirmwareVersion return errors	
Symptom: If we use HP openview or AdventNet Mib Browser to verify swFirmwareVersion, we will get the errors return.	
Feature: Fabric Infrastructure	**Function**: Other
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000212823	**Technical Severity**: Medium
Summary: Lost telnet connectivity to 5470 (Blazer3) altogether after enabling and then disabling DHCP on the switch. The MM is not handling the DHCP assignment properly.	
Symptom: Steps to reproduce: 1. Thru the telnet window: Turned on DHCP using the “ipaddrset” CLI command 2. Lost the telnet session 3. Thru the console: turn off DHCP using the “ipaddrset” CLI command 4. Lost telnet connectivity to the switch forever. Not able to	
Feature: Embedded	**Function**: Platform
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.1.0_emb	

Defect ID: DEFECT000240176	**Technical Severity**: Medium
Summary: Pre_Discovery: DCX member crashed and its FS8-18 EE in Faulty state when mace GL rebooted	

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Symptom: DCX switch crash and FS8-18 blade turns to faulty when the group leader node reboots in an Encryption Group.	
Feature: Data Security	**Function**: HA Cluster
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241033	**Technical Severity**: Medium
Summary: RLSServiceEnable property value is not modified after performing "setInstance" CAL Operation on class Brocade_Switch from Brocade SMIA .	
Symptom: None.	
Feature: Mgmt Embedded - CAL	**Function**: Other
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241500	**Technical Severity**: Medium
Summary: Subnet mask value 255.255.255.254 has been accepted by the GUI “IP interface” tab, where the valid range for “Subnet Mask” field is 1.0.0.1 to 223.255.255.254.	
Symptom: On accepting the subnet mask value 255.255.255.254, the customer will only be able to use one IP address and may create un necessary network issues.	
Workaround: Nil	
Feature: WebMgmt	**Function**: iSCSI Support
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242569	**Technical Severity**: Medium
Summary: Emulex Host Logs in as G port - Workaround is to reboot FOS switch	
Symptom: Host with Emulex HBA login as G port.	
Feature: 8G ASIC Driver	**Function**: PORT
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243057	**Technical Severity**: Medium
Summary: CP hafailover hit faulty(21) on Alpha-unit Lance slot3 DCX101 after 15 hours test. [VADER-5010] S 5055/0, SLOT 3 | CHASSIS, CRITICAL, HLDCX_101, Slot 3 - OB1_5 RLDRAM initialization not done	
Symptom: faulty blade with overnight run of CP hafailover	
Feature: Data Security	**Function**: Platform
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000243094	**Technical Severity**: Medium
Summary: fwdl should be blocked when switch is at faulty status to prevent unpredicted behavior.	
Symptom: Firmwaredownload continues after switch becomes faulty.	
Feature: Infrastructure	**Function**: Firmware Download
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000218382	**Technical Severity**: Medium
Summary: User is not prompted when modifying a node WWN in an active encryption group and the actual modification of a node WWN is not prevented in an active encryption group.	

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Symptom: Encryption group crypto operations scan be unpredictable when modifying a node WWN in an active encryption group.	
Feature: Data Security	**Function**: Infrastructure
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000225662	**Technical Severity**: Medium
Summary: Moving FC FastWrite target from one switch to another can cause IO errors in FC FastWrite on that switch	
Symptom: Failed IOs through a FC FW enabled fabric after moving device port from one switch to another in the fabric.	
Workaround: Quiesce IO to a device port before moving from one switch to a different switch.	
Feature: FR4-18i Platform Services	**Function**: FCR ASIC SW
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.1.1_enc	

Defect ID: DEFECT000254470	**Technical Severity**: Medium
Summary: Weblinker crash occured in mixed fabric	
Symptom: Weblinker daemon crash.	
Feature: Fabric Infrastructure	**Function**: Mgmt Server
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247241	**Technical Severity**: Medium
Summary: Intermittent timeouts in IBM tape lab using peer-to-peer configuration	
Symptom: Interminttent timeout with Tape I/O.	
Feature: FCIP	**Function**: FCIP I/O
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000249352	**Technical Severity**: Medium
Summary: LD trunking SRDF connectivity issue	
Symptom: We have 300 switch connected to a 5300 switch, both running 6.1.0f code. This is a trunked long distant link. The problem is they cannot bring up their SRDF application over this link. All other switches work correctly with out issue, it's only when the 5	
Feature: 8G ASIC Driver	**Function**: PORT
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000249045	**Technical Severity**: Medium
Summary: When Blade becomes Faulty or slot powered ON/OFF, no event received for Brocade SMIA	
Symptom: SMIA customer will not get events when slot is powered off or when blade state becomed faulty so that they won't be able to refresh the GUI.	
Feature: Mgmt Embedded - CAL	**Function**: EVMD
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000247595	**Technical Severity**: Medium
Summary: SNMP : System OID should be unique for 8000 Switch	
Symptom: No unique system OID for Brocade 8000 switch.	
Feature: CEE-FOS	**Function**: MAPS/SFI

Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000247537	**Technical Severity**: Medium
Summary: Brocade_SwitchFCPortStats CAL class is not returning instances for FCOE ports for Brocade SMIA project	
Symptom: Customer will think that there is no option to measure the traffic of fcoe ports	
Feature: CEE-MANAGEABILITY	**Function**: CAL INTERFACE
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000246747	**Technical Severity**: Medium
Summary: Brocade Encryption Switch netinstall to 6.2.0b from 6.3.0 went faulty	
Symptom: Brocade Encryption Switch becomes faulty.	
Feature: Data Security	**Function**: Platform
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245311	**Technical Severity**: Medium
Summary: Zone commit SBP call needs to return different status if defzone is "allaccess"	
Symptom: If defzone setting is set to "allaccess" and if the storage application attempts to commit an FR zone then the zone commit fails.	
Feature: SAS	**Function**: DPC MANAGEMENT
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245828	**Technical Severity**: Medium
Summary: Brocade Encryption Switch (BES) Faulty after power cycle	
Symptom: Brocade Encryption switch become faulty and ports disabled.	
Feature: Data Security	**Function**: Platform
Reason Code: Not a Defect	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245120	**Technical Severity**: Medium
Summary: supportsave file names all start with 'unknown' instead of the switchname	
Symptom: all supportsave file names start with 'unknown' instead of the switchname	
Feature: RAS	**Function**: FFDC/Supportsave
Reason Code: Not a Defect	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000236485	**Technical Severity**: Medium
Summary: PathInfo "return" output does not follow FSPF TI routes from perspective of inquiring F_Port	
Symptom: Using CLI "pathinfo" from an inquiring F_Port that is running traffic over a TI enforced FSPF route yields a return route which does not follow the TI-defined route. Pathinfo output might not match TI path.	
Workaround: No workaround needed, this condition does not impact TI operation.	
Feature: Fabric Infrastructure	**Function**: Mgmt Server
Reason Code: Not a Defect	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000256966	**Technical Severity**: High

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Summary: FA4-18 (scimitar) blade not being able to fully initialize in DCX and switch panic when a supportsave is collected	
Symptom: FA4-18 blade initialization failure and switch panic.	
Feature: Field Escalation	**Function**: Scimitar / Sabre Layer-2
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.1.0	**Service Request ID**: 382383

Defect ID: DEFECT000203799	**Technical Severity**: High
Summary: Load DCE software to a Saturn without a Marathon blade causes Saturn to hang	
Symptom: Seen during early development stage of the product - a customer can't see this failure.	
Feature: CEE-Infrastructure	**Function**: HA
Reason Code: Will Not Fix	**Probability**: High
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000232584	**Technical Severity**: High
Summary: NMI - [6.2 NF] DISL VE port may go down during overnight test if the tunnel bandwidth is very low (<< 10Mbps)	
Symptom: FCIP Tunnel failures when running over low bandwidth connections. Low bandwidths are considered less than 20 Mbps (bits per second).	
Workaround: Configure and procure at least 20 mega bits per second of usable network bandwidth for the FCIP tunnels.	
Feature: FCIP	**Function**: FCIP Port
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000242828	**Technical Severity**: High
Summary: Cannot enable CUP on newly created Logical switches	
Symptom: Unable to enable CUP on Base Fabric with VFenabled/	
Feature: FICON	**Function**: Other
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000215610	**Technical Severity**: Medium
Summary: compatibility issue with extender product connects as a B_Port	
Symptom: Only partial zoning database is merged with neighbor.	
Feature: Field Escalation	**Function**: Fabric Services
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.0.0	

Defect ID: DEFECT000211550	**Technical Severity**: Medium
Summary: Under some scenarios "portcmd --ipperf" displays incorrect delay time in the IPv4 environment.	
Symptom: "portcmd --ipperf" displays incorrect delay time in the IPv4 environment.	
Workaround: Try IPv6 addresses for ipperf	
Feature: FCIP	**Function**: FCIP CLI
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.1.0	

Defect ID: DEFECT000235595	**Technical Severity**: Medium
Summary: When user issues hafailover with FC4-16IP in system, under rare circumstance, user will notice iSCSI port bouncing.	

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Symptom: Customer would see the iSCSI port bouncing from enabled to disabled repeatedly as the port is going through restart multiple times before it gets enabled. Customer would observe similar RASLOG message repeatedly if this condition is hit. 2008/10/31-15:34:	
Workaround: Issue slotpoweroff followed by slotpoweroff of FC4-16IP blade to recover.	
Feature: iSCSI	**Function**: ISCSI HA
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235695	**Technical Severity**: Medium
Summary: Key retrieval failure for one path in active/active configuration	
Symptom: When the Keys are removed from Key Vault (which is highly unlikely), and local key cache is not removed from EEs, the LUN may be struck in LUN Not Ready state due to Get Key Failure.	
Workaround: When the Keys are removed from the vault, make sure that local key cache is also removed in the cluster. Use ZeroizeEE operation to clear out local key cache and then host the LUNs.	
Feature: Data Security	**Function**: Disk Encryption
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235944	**Technical Severity**: Medium
Summary: Attempt to setup keyvault type to SKM in mixed Gemini/Orion EG configuration should be blocked	
Symptom: 6.1.1_Enc does not support SKM vault. Hence in a EG with mix of 6.2.0 and 6.1.1_Enc, setting SKM vault type succeeds instead of failing	
Workaround: Do not try to configure SKM Vault type if all nodes in EG are at 6.2.0 firmware level	
Feature: Data Security	**Function**: Infrastructure
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000235974	**Technical Severity**: Medium
Summary: Tracedumps are not being removed using the "tracedump -r " command.	
Symptom: User can not run "tracedump -r" from standby CP	
Workaround: Run "tracedump -r" from active CP	
Feature: RAS	**Function**: RAS Trace
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000227454	**Technical Severity**: Medium
Summary: pkicert utility does not work reliably when logical switches are present	
Symptom: The correct certificates are not generated and installed.	
Workaround: Install the certificates in non-vf mode. Once installed, the switches then can be added to the LF.	
Feature: Mgmt Embedded - RPCD	**Function**: VF
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238020	**Technical Severity**: Medium
Summary: Long HCL fwdl time on Stealth between v6.2.0 builds, sometimes observe frame drops	
Symptom: If configured with maximum size zone configuration, may experience frame drops during firmware updates. Depending on how zones are configured.	
Workaround: Avoid using max zone configurations with stealth switch.	
Feature: FC Services	**Function**: Zoning
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.2.0	

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Defect ID: DEFECT000237630	**Technical Severity**: Medium
Summary: HCL from v6.1.0g to 6.2.0 takes 83 seconds on 4100 and caused frame drops	
Symptom: when upgrading from 6.1 to 6.2 on 4100, customer will see the frame drop	
Workaround: upgrade the connected switch to 6.2 first, then upgrade this switch.	
Feature: OS Services	**Function**: Linux Kernal
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000237710	**Technical Severity**: Medium
Summary: "perfftmon --show dom ... wwn" command returned "SID/DID entry not present in NS" message when it is executed from 6.2 switch for remote domain of firmware version 6.1 or vice-versa	
Symptom: User might see a truncated output with the following message: "SID/DID entry not present in NS" User will encounter same behavior when the command is executed from pre6.2 switch and the remote domain is a 6.2 switch.	
Workaround: Login to the remote switch switch and execute the command.	
Feature: Fabric Infrastructure	**Function**: Advanced Performance Monitor
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000238147	**Technical Severity**: Medium
Summary: Can not load brcdfcip.mib and IF.mib on AdventNet and HP Openview mib browsers	
Symptom: unable to load fcip mib on AdventNet and HP Openview Browser	
Feature: Embedded	**Function**: MGMT BACKEND
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000236034	**Technical Severity**: Medium
Summary: Output of command fcrproxydevshow with option -a is sometimes inconsistent between the non-VF FCR switches in the fabric	
Symptom: If an edge fabric involved in B2E importing is connected to both non-VF-enabled and VF-enabled FCR and another non-VF-enabled FCR is not connected to the edge fabric while being part of the same backbone, the problem may happen intermittently. Fcrproxydev	
Feature: 8G FCR	**Function**: FCR Daemon
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239377	**Technical Severity**: Medium
Summary: hardware address of fc0 is different in CLI and MIB browser	
Symptom: Hardware address of fc0 is shown wrongly in MIB browser	
Feature: Mgmt Embedded - SNMP	**Function**: Other
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000226587	**Technical Severity**: Medium
Summary: "ag --show" output on edge fabric switches doesn't display all trunked Nport members connected to 5481_AG	
Symptom: it was observed that "ag --show" output on edge fabric switches doesn't display all trunked Nport members connected to 5481_AG.	
Feature: Access Gateway Services	**Function**: Daemon
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.1.0_emb	

Closed without Code Change in Fabric OS v6.3.0

Defect ID: DEFECT000240021	**Technical Severity**: Medium
Summary: Switch View: Speed LED on Standby CP is not glowing properly for a change in Ethernet speed.	
Symptom: Misleads the customer	
Workaround: No	
Feature: Mgmt Embedded - CAL	**Function**: Switch Admin
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000241509	**Technical Severity**: Medium
Summary: iSCSI sessions are not getting deleted when delete button is clicked from iSCSI initiator tab.	
Symptom: unable to delete the iSCSI sessions from GUI	
Workaround: CLI can be used to delete the sessions or sessions can be terminated from the host.	
Feature: iSCSI	**Function**: ISCSI CLI
Reason Code: Will Not Fix	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000239785	**Technical Severity**: Medium
Summary: In a global configuration, the appropriate error is not displayed when the system name is entered, followed by spaces, symbols (@ &) and numerics.	
Symptom: Long property name error is displayed, instead of appropriate warning not to use certain characters.	
Feature: WebMgmt	**Function**: Switch Admin
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000243398	**Technical Severity**: Medium
Summary: rtedebug s p v fail on 48000 after hafailover due to "Extraneous path to dst node inst 178 found in RTE" and "Extraneous path to dst node inst 186 found in RTE"	
Symptom: No functional impact from the extraneous path displayed in rtedebug.	
Feature: 4G Platform Services	**Function**: Routing
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.2.0	

Defect ID: DEFECT000244243	**Technical Severity**: Medium
Summary: FWDL repeatedly between v6.2.0 and v6.1.1_enc2 found switch and EE came back Online, but found many errors, [BUSW-5005], 0,, CRITICAL, BES_125, uSWD: SWD_IOCTL_REGISTER_BY_DIR ioctl failed, applName=bswd, errno=1, fd=6, swd.handle=-1	
Symptom: CRITICAL error 5000s	
Feature: Data Security	**Function**: Platform
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.2.0	

Defect ID: DEFECT000245434	**Technical Severity**: Medium
Summary: RASLOG message missing for telnet or other IP access violation	
Symptom: No functional issue and only the RASLOG message is missing.	
Feature: Fabric Infrastructure	**Function**: Security-IP FILTER
Reason Code: Will Not Fix	**Probability**: High
Found in Release: FOS6.2.0	

Defect ID: DEFECT000249412	**Technical Severity**: Medium
Summary: fw wildcard commnad causes kswd panic JPMC Case - 13671547 - rdch103f01	

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Symptom: FWD crash and switch reboot when fwShow command is entered with wildcard option.	
Feature: Fabric Infrastructure	**Function**: Fabric Watch
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.1.1	**Service Request ID**: 377807

Defect ID: DEFECT000252227	**Technical Severity**: Medium
Summary: After reverting to factory defaults downlink ports are persistently disabled	
Symptom: Downlink ports persistently disabled after reset to factory default on Brocade 5480.	
Feature: Embedded	**Function**: Platform
Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.1.0_utah	

Defect ID: DEFECT000233329	**Technical Severity**: Medium
Summary: VR Bind/UnBind - NSM Client issues	
Symptom: Incorrect VR Bind/UnBind informaiton sent.	
Feature: CEE-Protocol	**Function**: NSM
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.1.2_cee	

Defect ID: DEFECT000207322	**Technical Severity**: Medium
Summary: Unable to activate a large Zone Set from Web Tools when Defined and Effective are close to 1Mb.	
Symptom: Large zone set activations fails from Web Tools, but works in CLI for FOS only Fabric in Interop mode	
Workaround: Use CLI interface to activate a zone set of size close to 1MB.	
Feature: FC Services	**Function**: Zoning
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000207126	**Technical Severity**: Medium
Summary: Invalid IPv6 iproute automatically gets created while creating an IP route	
Symptom: May see an Invalid IPv6 iproute when routes configured are displayed	
Workaround: Ignore the route table entry displayed.	
Feature: FCIP	**Function**: FCIP CLI
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.1.0	

Defect ID: DEFECT000237250	**Technical Severity**: Medium
Summary: Brocade 7600 running FOS v6.0.0b, reboot of DPC2 in a third party instance will cause loss of visibility to certain disks	
Symptom: Reboot of DPC2 in a certain third party instance will cause hosts connected to that third party instance to lose visibility to its disks.	
Feature: Field Escalation	**Function**: Scimitar / Sabre Layer-2
Reason Code: Will Not Fix	**Probability**: Low
Found in Release: FOS6.0.0	**Service Request ID**: 357995

Defect ID: DEFECT000232304	**Technical Severity**: Medium
Summary: Master Key Restore from Keyvault fails when trying to use the second and consecutive passphrase	
Symptom: Master Key Restore from Keyvault fails when trying to use the second and consecutive passphrase. In other words, if the customer backs up the same MK multiple times, only the first backup (using the first passphrase) can be retreived from the key vault.	
Feature: Data Security	**Function**: Security Processor

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Reason Code: Will Not Fix	**Probability**: Medium
Found in Release: FOS6.1.1_enc	